

4

FOURTH ANNUAL OFFICIAL

Wireless Blue Book

OF THE

Wireless Association

of America



CONTAINING A LIST OF UNITED STATES AND AMERICAN
WIRELESS TELEGRAPH STATIONS

INCLUDING

Merchant Vessels, Vessels of the U. S. Navy, Revenue Cutters,

U. S. AMATEUR STATIONS

and Map of the United States with Government
and Commercial Stations

CORRECTED TO AUGUST 1st, 1914

— PUBLISHED BY

THE ELECTRO IMPORTING COMPANY

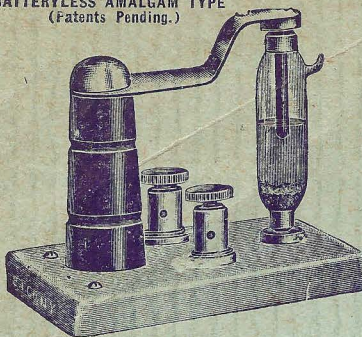
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ELECTRO IMPORTING COMPANY'S

NEW
OFFERINGS
Cat. No. 14

BATTERYLESS AMALGAM TYPE (Patents Pending.)



NO. 9300

The Radioson is absolutely guaranteed by us in all respects. We guarantee safe delivery to you under all circumstances. The Radioson is only sold complete as shown. Radioson exchange cartridges are only furnished to users of the instrument providing the original cartridge is returned to us either whole or broken.

Specifications: The Radioson consists of a heavy opal glass base, on this is mounted a very large solid hard rubber standard, which supports the heavy nickel plated brass spring. The spring holds the Radioson cartridge in place by a positive snap. The cartridge is easily snapped in and out by simply lifting the spring upwards. There are two extra large nickel Size over all 4x2½x3½. All metal parts are triple nickel plated and highly polished.

On receipt of postage we will send detailed information of the Radioson.
No. 9300 "Electro" Radioson Detector (complete). Shipping weight 2 lbs.
No. 9301 "Electro" Radioson Cartridge only (see note above). Shipping weight 1 lb.

THE "ELECTRO" RADIOSON DETECTOR

"THE ULTRA SENSITIVE ELECTROLYTIC"

This detector to-day is without question the most sensitive, and from an operative standpoint, the most satisfactory one manufactured.

The Radioson Detector is the only detector so far developed which needs no adjusting and cannot get out of adjustment. It cannot be affected out by nearby sending stations, never loses its sensitivity and messages come in clear and distinct even while the detector is shaken violently.

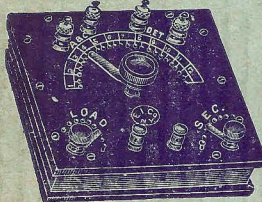
The acid as well as all other parts are sealed in the detector. It is absolutely clean and safe, and it is adjusted to its highest sensitivity at the factory. The Radioson detector is always ready without adjustment on your part.

With our improved type Radioson IT IS NOT NECESSARY TO USE BATTERY as a form of battery has been incorporated in the Radioson itself (patent pending). This battery lasts indefinitely. A quantity of Amalgam is placed in the bottom of the cartridge and this Amalgam acts as a battery. A curious part of the improved Radioson is that it does not sound like an electrolytic detector, but the sound coming in over the telephone receivers is exactly the same as that of a crystal detector. The sound is sharper and clearer than the ordinary electrolytic type.

The Radioson can only be used with a 2,000-ohm head, or one with higher ohmage. Lower resistances than 2,000 ohms tend to shorten the life of the detector.

"MIGNON" VARIO-SELECTIVE COUPLER (Patents Pending)

This outfit is used by the D. L. & W. Railroad to carry on long distance communication with trains in motion. The instrument is a selective inductive coupler of the cabinet type. All tuning is done by rotary switches. One of the switches has 25 contact points; the others 7 points each. This outfit can tune up to 3,000 meters. Finish is polished mahogany, hard rubber handles.

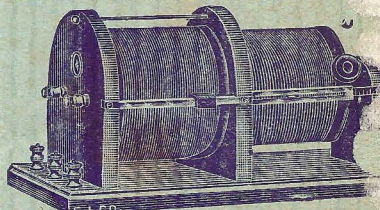


NO. 11000

Size 8 x 8 x 1½".
Weight 2 lbs. Especially useful for receiving time signals. Can be used with any Detector.

Price \$7.50

"ELECTRO" PROFESSIONAL LOOSE



This instrument does anything and everything most expensive loose coupler will do. Made of mahogany, hand rubbed piano finish. Large size primary, slider on primary, ingenious new secondary, slider with graduated scale on secondary. Secondary made of moulded composition. Primary and secondary wire wound after latest process. You must see this instrument to appreciate the value. Size 15½x7 Shipping weight 10 lbs.

Price

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"THE EXPERIMENTER'S MAGAZINE" Trade Mark
The big electrical magazine, 80 per cent. of which is wireless. More original wireless news than any other publication. Size is 9x12". From 50 to 75 original illustrations a month; 16 to 24 pages monthly. A unique magazine, in all respects. Ninety-six per cent. of the magazine is text. Send for sample copy. Subscription price 50c. a year in U. S. Foreign 75c.

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10c.

MARVELOUS DETECTOR OFFER

The E. I. Co. has always been known for giving the greatest values at the lowest possible price, but we have never been known to make any such unheard of, truly marvelous offer as the one we are making now. Think of it:—

A COMPLETE GALENA DETECTOR FOR 10 CTS.

Our reason for offering a detector at such a preposterous price may be explained in one word: Advertising. Our object is to get one of these Detectors into the hands of every person interested in Wireless. If this little detector says a good word for us once in a while, its purpose has been accomplished and we think we have been well repaid for our loss in selling it at 10 cts., for it goes without saying that the detector, including packing, handling and postage costs us more than 10 cts.,—a good deal more.

Here is what we give you for 10 cts.—Solid black fibre base 1½"x1¼". A piece of sensitive Galena mounted in the nickel detector cup. This cup is also a binding post and the connecting wire is fastened by means of set screw. Sliding nickel rod is embedded in solid hard rubber handle ¾" in diameter. At the other end of the rod is fastened the phosphor bronze "Cat-Whisker" wire. The sliding rod slides in the nickel spring standard, which also forms a binding post at the same time. The price of this detector, as described, including free delivery to you is 10 cts.

No matter if you have a dozen detectors, you will want this one. It is the neatest little instrument you ever saw and it works as well as a \$10.00 one.

FREE With Detector a copy of our famous electrical encyclopedia No. 14, containing 400 illustrations, 1,600 articles, "Treatise on Wireless Telegraphy," 20 coupons for free Wireless Course, also miniature copy of "The Electrical Experimenter." If detector is not wanted send 3 cts. for other books.

"Everything for the Experimenter"

THE ELECTRO IMPORTING CO.,

226 Fulton Street, New York,



RADIO STATIONS OF THE UNITED STATES. Revised Government List.

INTRODUCTION.

This list, corrected to Jan. 1, 1914, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides: Sec. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal, or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the all letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by Circular of April 23, 1913. The distribution of call letters among nations thus authorized is printed below for the guidance of all stations, ship and shore, of the United States.

A	.....All to Germany and protectorates.	ONA to OTZ	.....Belgium and colonies.
B	.....All to Great Britain.	OUA to OZZ	.....Denmark.
CAA to CMZ	.....Not yet assigned.	OAA to OIZ	.....Netherlands.
CNA to CNZ	.....Morocco.	OJA to OJM	.....Curacao (Dutch).
COA to CPZ	.....Chile.	OJA to OJC	.....Surinam (Dutch).
COA to COZ	.....Monaco.	PKA to PMZ	.....Dutch East Indies.
CRA to CTZ	.....Portugal and colonies.	PNA to PZZ	.....Not yet assigned.
CUA to CUZ	.....Not yet assigned.	Q	.....Reserved for code abbreviations.
CVA to CVZ	.....Rumania.	R	.....All to Russia.
CWA to CWZ	.....Uruguay.	SAA to SMZ	.....Sweden.
CXA to CZZ	.....Not yet assigned.	SNA to STZ	.....Brazil.
D	.....All to Germany and protectorates.	SUA to SUZ	.....Egypt.
EAA to EGZ	.....Spain and colonies.	SVA to SZZ	.....Greece.
EHA to EZZ	.....Not yet assigned.	TAA to TMZ	.....Turkey.
F	.....All to France and colonies.	TNA to TZZ	.....Not yet assigned.
G	.....All to Great Britain.	UAA to UMZ	.....France and colonies.
HAA to HFZ	.....Austria-Hungary and Bosnia-Herzegovina.	UNA to UZZ	.....Austria-Hungary and Bosnia-Herzegovina.
HGA to HHZ	.....Siam.	VAA to VGZ	.....Canada (British).
HIA to HZZ	.....Not yet assigned.	VHA to VKZ	.....Australian Federation (British).
I	.....All to Italy and colonies.	VLA to VMZ	.....New Zealand (British).
J	.....All to Japan and possessions.	VNA to VNZ	.....South African Union (British).
KAA to KCZ	.....Germany and protectorates.	VOA to VOZ	.....Newfoundland (British).
KDA to KZZ	.....United States.	VPA to VSZ	.....British colonies not autonomous.
LAA to LZZ	.....Norway.	VTA to VWZ	.....British India.
LIA to LRZ	.....Argentine Republic.	VXA to VZZ	.....Not yet assigned.
LSA to LWZ	.....Not yet assigned.	W	.....All to the United States.
LXA to LZZ	.....Bulgaria.	XAA to XCZ	.....Mexico.
M	.....All to Great Britain.	XDA to XZZ	.....Not yet assigned.
N	.....All to the United States.	YAA to YZZ	.....Not yet assigned.
OAA to OFZ	.....Not yet assigned.	ZAA to ZZZ	.....Not yet assigned.
OGA to OMZ	.....Austria-Hungary and Bosnia-Herzegovina.		

PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950 and these are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.

(b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship and coast stations on the Atlantic coast and Gulf of Mexico.

(c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few exceptions, for ship and coast stations on the Pacific coast and on the Great Lakes.

AMATEUR STATIONS.

4. The call letters for amateur stations in the United States will be awarded by radio inspectors, each for his own district, respectively according to the following system:

(a) The call will consist of three items: number of radio district; followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) will be the figure "one" in Continental Morse, followed by two letters; in California (in the sixth district) the figure "six" followed by two letters; in South Carolina the figure "four" followed by two letters; in Missouri the figure "nine" followed by two letters, etc. The letters X, Y, Z, must not be used as the first of the two letters.

The territory of each district is as follows:

1. Boston, Mass.: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
2. New York, N. Y.: New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer and Schenectady); and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean).
3. Baltimore, Md.: New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, District of Columbia.
4. Savannah, Ga.: North Carolina, South Carolina, Georgia, Florida, Porto Rico.
5. New Orleans, La.: Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
6. San Francisco, Cal.: California, Hawaii, Nevada, Utah, Arizona.
7. Seattle, Wash.: Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
8. Cleveland, Ohio: New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, Michigan (Lower Peninsula).
9. Chicago, Ill.: Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, North Dakota.

(b) The three items, a given figure first, followed by two letters of the alphabet, thus may be combined in 598 different calls, which will probably suffice for the amateur sending stations in most districts for some time to come.

(c) Radio inspectors will insert amateur station calls in station licenses according to this system, and will keep a permanent chart, of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number of the station to which the call letters were awarded. Within these limitations radio inspectors will use their discretion in the award of calls, avoiding, of course, duplications.

(d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.

(e) If the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of three districts followed by three letters. From such combinations should be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations will be allotted by the Bureau of Navigation in a special manner to indicate, if practicable, the different radio districts over which such stations usually radiate messages, as well as to identify the stations.

SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations will be allotted by the Bureau of Navigation.

The call will consist of three items, the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district, of course, are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

The International List of Radio Stations of the World, third edition, English, is adopted as the official list. This list will include the stations of the United States, excepting amateurs, and contain additional information, such as geographical location, normal range in nautical miles, radio system, and rates.

Persons desiring this list should communicate direct with the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. The price will be 60 cents per copy, not including postage. The rates of postage will be as follows: One copy, 24 cents; two copies, 32 cents; three copies, 48 cents. A subscription of 80 cents additional secures all supplements (postpaid) as issued from time to time until the next international list is published in the autumn of 1914. The stations of the United States will be printed in the first supplement.

Applications for the international list of call letters (stations of the world) should also be addressed to the International Bureau at Berne.

U. S. LAND AND SHIP RADIO STATIONS.

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[This list includes all call signals which have been assigned to United States radio stations, except those of the general and restricted amateur grades. Special stations are grouped at the end of this list. b=ship stations; c=land stations.]

Call signal.	Name of station.	Classification.	Call signal.	Name of station.	Classification.
KDA	Philadelphia	b	KHA	Kariuk, Alaska	c
KDB	Caracas	b	KHB	Kogiung, Alaska	c
KDC	Douglas, Ariz.	c	KHC	Chignik, Alaska	c
KDM	Maracaibo	b	KHF	Nushagak, Alaska	c
KDN	San Luis Obispo, Cal.	c	KHG	Clarks Point, Alaska	c
KDS	S. V. Luckenbach	b	KHJ	Koko Head, T. H.	c
KDT	Harry Luckenbach	b	KHK	Kahuku, T. H.	c
KDU	Juneau, Alaska	c	KHL	Lahaina, T. H.	c
KDV	Grayson	b	KHM	Lihue, T. H.	c
KDW	Boringuen	b	KHN	Kawaihae, T. H.	c
KDX	Bayamon	b	KHO	Kaanakakai, T. H.	c
KDY	Yaquez	b	KHP	Daley City, Cal.	c
KDZ	Zulia	b	KHQ	Phoenix, Ariz.	c
KEB	Sabine	b	KHX	Naknek, Alaska	c
KEC	Concho	b	KHT	Helia Point, T. H.	c
KED	Denver	b	KIJ	James Duane	b
KEG	Rio Grande	b	KIT	Kake, Alaska	c
KEH	Nueces	b	KIU	Burnett Inlet, Alaska	c
KEJ	Alamo	b	KJA	Julin, Alaska	c
KEK	San Marcos	b	KJB	Bunker Hill	b
KEM	Comal	b	KJD	North Land	b
KEP	Lampasas	b	KJW	Massachusetts	b
KES	San Jacinto	b	KJO	Old Colony	b
KEX	Los Angeles, Cal.	c	KJS	North Star	b
KEZ	Brazos	b	KKA	Antilles	b
KFA	City of Columbus	b	KKB	El Sol	b
KFB	City of Atlanta	b	KKC	Chalmette	b
KFC	City of Macon	b	KKD	Comus	b
KFD	City of Memphis	b	KKE	Topila	b
KFF	Frieda	b	KKL	El Alba	b
KFH	Herman Frasch	b	KKM	Momus	b
KFI	I. D. Fletcher	b	KKN	El Norte	b
KFJ	City of Augusta	b	KKO	Excelsior	b
KFK	City of Savannah	b	KKP	Proteus	b
KFP	Nacoochee	b	KKQ	El Sud	b
KFS	San Francisco, Cal.	c	KKR	Creole	b
KFT	Tasco	b	KKS	El Siglo	b
KFX	City of St. Louis	b	KKT	El Cid	b
KFY	City of Montgomery	b	KKU	El Mundo	b
KGA	Coamo	b	KKV	El Oriente	b
KGB	Carolina	b	KKW	El Valle	b
KGH	Hollister (near), Calif.	c	KKX	El Occidente	b
KGI	San Juan	b	KKY	El Dia	b
KGP	Ponce	b	KKZ	El Rio	b
KGS	Senator Bailey	b			

U. S. LAND AND SHIP RADIO STATIONS.

KLS	Los Angeles, Cal.	c	KTA	Larimer	b
KMA	Alliance	b	KTB	Oklahoma	b
KMD	Cristobal	b	KTG	Shenango	b
KME	Maine	b	KTD	Ligonier	b
KMH	Panama	b	KTE	Winifred	b
KMS	Ancon	b	KTF	J. M. Guffey	b
KMV	Advance	b	KTG	Gulfoil	b
KMX	Colon	b	KTH	Illinois	b
			KTI	Brilliant	b
KNA	Dorothy Bradford	b	KTJ	Comet	b
KNB	Lexington	b	KTL	Rayo	b
KNC	Concord	b	KTM	Eocene	b
KNE	Evelyn	b	KTN	Perfection	b
KNF	Carolyn	b	KTO	Astral	b
KNJ	New Jersey	b	KTP	S. O. Co. No. 94	b
KNK	New York	b	KTQ	City of Everett	b
KNL	Nelson	b	KTR	Radiant	b
KNM	Millinocket	b	KTS	Vesta	b
KNQ	Lucy Neff	b	KTT	Paraguay	b
KNR	Zealandia	b	KTU	Sun	b
KNS	Shinnecock	b	KTV	Toledo	b
KNT	Montauk	b	KTW	Deaware Sun	b
KNU	Currier	b	KTX	Socony	b
KNW	Wyandotte	b	KTY	S. O. Co. No. 92	b
KNZ	America	b			
KOA	Hamilton	b	KUP	Pettibone	b
KOB	Princess Anne	b	KUT	Pan American	b
KOC	Jamestown	b	KVA	Apache	b
KOD	Jefferson	b	KVB	Arapahoe	b
KOG	Madison	b	KVC	Comanche	b
KOM	Monroe	b	KVF	Iroquois	b
KOS	Brunswick	b	KVG	Algonquin	b
KOV	Olivette	b	KVH	Huron	b
KOW	Mascotte	b	KVJ	Seminole	b
KOZ	Miami	b	KVK	Cherokee	b
KPA	Seattle, Wash.	c	KVL	Lenape	b
KPB	Ketchikan, Alaska	c	KVM	Mohawk	b
KPC	Astoria, Oreg.	c	KVU	Elmer A. Keeler	b
KPD	Friday Harbor, Wash.	c	KVZ	Relay	b
KPF	Forward	b	KWC	Morro Castle	b
KPH	San Francisco, Cal.	c	KWG	Seguranca	b
KPI	Avalon, Cal.	c	KWH	Havana	b
KPJ	San Pedro, Cal.	c	KWS	Saratoga	b
KPM	Eureka, Cal.	c	KWV	Vigilancia	b
KPN	Adams	b	KWX	Mexico	b
KPR	P. R. R. 707	b	KWY	Monterey	b
KPW	Cape Cod	b	KWZ	Esperanza	b
KPX	Marshfield, Oregon	c			
KQB	Berkshire	b	KXA	Boston	b
KQC	Cretan	b	KXB	City of Lowell	b
KQD	Dorchester	b	KXC	Commonwealth	b
KQE	Essex	b	KXD	Maine	b
KQG	Gloucester	b	KXE	Mohawk	b
KQH	Howard	b	KXF	New Hampshire	b
KQI	Indian	b	KXG	Pilgrim	b
KQJ	Junlata	b	KXH	Plymouth	b
KQK	Kershaw	b	KXI	Priscilla	b
KQL	Lexington	b	KXJ	Providence	b
KQM	Merrimack	b	KXK	Puritan	b
KQN	Nantucket	b	KXL	City of Taunton	b
KQO	Ontario	b	KXM	Mohagan	b
KQP	Parthian	b	KXN	New Haven	b
KQQ	Quantico	b	KXP	Pequinock	b
KQR	Grecian	b	KXQ	Chester W. Chapin	b
KQS	Somerset	b	KXR	Richard Peck	b
KQT	Tuscan	b	KYA	Atalanta	b
KQX	Persian	b	KYB	North Wind	b
KQY	Powhatan	b	KYC	Corsair	b
KQZ	Suwannee	b	KYD	Cyprus	b
			KYE	Cassandra	b
KRB	Governor Cobb	b	KYF	Florence	b
KRC	Camden	b	KYG	Wild Duck	b
KRD	Belfast	b	KYH	Aloha	b
KRE	Bay State	b	KYI	Wakiva	b
KRF	Ransom B. Fuller	b	KYK	Kismet	b
KRH	City of Bangor	b	KYL	Lysistrata	b
KRI	City of Rockland	b	KYM	Columbia	b
KRJ	Relief	b	KYN	Niagara	b
KRL	Louise	b	KYO	Noma	b
KRN	Calvin Austin	b	KYP	Oneida	b
KRO	Columbia	b	KYR	Karina	b
KRP	Rescue	b	KYS	Sea Otter	b
KRQ	I. J. Merritt	b	KYT	Vanadis	b
KRR	Mills	b	KYU	Mohawk	b
KRS	Savage	b	KYV	Adventuress	b
KRV	Governor Dingley	b	KYW	Warrior	b
KRY	City of Baltimore	b	KYX	Wana	b
KRZ	City of Norfolk	b			
			NAA	Arlington, Radio, Va.	c
KSD	San Diego, Cal.	c	NAB	Portland, Me.	c
KSF	Finland	b	NAC	Portsmouth, N. H.	c
KSH	Kroon and	b	NAD	Boston, Mass.	c
KSL	St. Louis	b	NAE	Cape Cod, Mass.	c
KSM	Philadelphia	b	NAF	Newport, R. I.	c
KSJ	New York	b	NAG	Fire Island, Long Island, N. Y.	c
KSO	St. Paul	b	NAH	New York (Brooklyn), N. Y.	c
KSS	So. San Francisco, Cal.	c	NAI	Philadelphia, Pa.	c
KSV	City of Richmond	b	NAK	Annapolis, Md.	c
KSW	City of Annapolis	b	NAL	Washington, D. C.	c
KSX	Alabama	b	NAM	Norfolk, Va.	c
KSY	Florida	b	NAN	Beaufort, N. C.	c
KSZ	Virginia	b	NAO	Charleston, S. C.	c
			NAP	St. Augustine, Fla.	c

U. S. LAND AND SHIP RADIO STATIONS.

NAQ	Jupiter, Fla.	c	NLF	Kukin	b
NAR	Key West, Fla.	c	NLH	Patterson	b
NAS	Pensacola, Fla.	c	NLI	Explorer	b
NAT	New Orleans, La.	c	NLK	Bache	b
NAU	San Juan, P. R.	c	NMA	Nebraska	b
NAW	Guantanamo Bay, Cuba.	c	NMB	Nero	b
NAX	Colon, Panama Canal Zone.	c	NME	New Hampshire	b
NAY	Porto BeLo, Republic of Panama.	c	NMF	New Jersey	b
NBH	Ajax	b	NMG	New Orleans	b
NBI	Alabama	b	NMN	North Carolina	b
NBJ	Albany	b	NMO	North Dakota	b
NBL	Alert	b	NMS	Neptune	b
NBP	Ammen	b	NMW	Ohio	b
NBR	Annapolis	b	NMZ	Oregon	b
NBU	Buffalo	b	NNA	Brutus	b
NBV	Arkansas	b	NNK	Nanshan	b
NCF	Bailey	b	NOA	Osceola	b
NCH	Baltimore	b	NOB	Abarenda	b
NCL	Beale	b	NOG	Orion	b
NCM	Birmingham	b	NOI	Paducah	b
NCV	Burrows	b	NOJ	Panther	b
NCY	Caesar	b	NOK	Patterson	b
NCZ	California	b	NOL	Patasco	b
NDA	Castine	b	NOM	Patuxent	b
NDB	Ce.tic	b	NON	Paulding	b
NDG	Chester	b	NOP	Paul Jones	b
NDH	Cheyenne	b	NOT	Pittsburgh	b
NDI	Chicago	b	NOW	Peoria	b
NDL	Cincinnati	b	NOX	Perkins	b
NDM	Cleveland	b	NOY	Perry	b
NDN	Colorado	b	NOZ	Petrel	b
NDQ	Connecticut	b	NPA	Cordova, Alaska	c
NDU	Culgoa	b	NPB	Sitka, Alaska	c
NDY	Cyclops	b	NPC	Bremerton, Wash.	c
NEK	Delaware	b	NPD	Tatoosh, Wash.	c
NEM	Denver	b	NPE	North Head, Wash.	c
NEN	Des Moines	b	NPF	Cape Blanco, Oreg.	c
NEP	Dixie	b	NPH	Mare Island, Cal.	c
NEQ	Dolphin	b	NPI	Farallons, Cal.	c
NET	Drayton	b	NPJ	Ballos, Panama Canal Zone.	c
NFC	Eagle	b	NPK	Point Arguello, Cal.	c
NFD	Elcano	b	NPL	San Diego, Cal.	c
NFE	Charleston	b	NPM	Honolulu, T. H.	c
NFM	Fanning	b	NPN	Guam, Marianas (Ladrones).	c
NFR	Florida	b	NPO	Cavite, P. I.	c
NFS	Flusser	b	NPP	Peking, China	c
NGD	Galveston	b	NPQ	St. Paul, Pribilof Islands, Alaska.	c
NGF	Georgia	b	NPR	Dutch Harbor, Alaska.	c
NGH	Glacier	b	NPS	Kodiak, Alaska	c
NGI	Chattanooga	b	NPT	Olongapo, P. I.	c
NGJ	Goldsborough	b	NPV	Unalga, Alaska	c
NGU	Hannibal	b	NPW	Eureka, Cal.	c
NGX	Hector	b	NPY	St. George, Pribilof Islands, Alaska.	c
NGY	Helena	b	NQF	Pompey	b
NHA	Henley	b	NQK	Potomac	b
NHC	Hopkins	b	NQM	Prairie	b
NHE	Hull	b	NGN	Prairie	b
NHN	Idaho	b	NGO	Preston	b
NHO	Illinois	b	NQP	Princeton	b
NHQ	Indiana	b	NQR	Prometheus	b
NHT	Iowa	b	NRA	Algonquin	b
NHU	Iris	b	NRE	Bear	b
NHV	Iroquois	b	NRC	Morrill	b
NIB	Jarvis	b	NRD	Androscoggin	b
NID	Jenkins	b	NRE	Seneca	b
NIE	Jouett	b	NRF	Snohomish	b
NIG	Kansas	b	NRG	Gresham	b
NIP	Kearsarge	b	NRH	McCulloch	b
NIQ	Kentucky	b	NRI	Itasca	b
NIW	Lamson	b	NRJ	Woodbury	b
NIY	Lawrence	b	NRK	Tahoma	b
NIZ	Lebanon	b	NRL	Tuscarora	b
NJB	Louisiana	b	NRN	Mohawk	b
NJH	Macdonough	b	NRN	Manning	b
NJL	Maine	b	NRO	Onondaga	b
NJQ	Marietta	b	NRP	Apache	b
NJR	Mars	b	NRQ	Miami	b
NJS	Maryland	b	NRN	Pamlico	b
NJT	Massachusetts	b	NRS	Seminole	b
NJU	Mayrant	b	NRT	Thetis	b
NJV	Mayflower	b	NRU	Acushnet	b
NJW	McCall	b	NRV	Winona	b
NJZ	Michigan	b	NRW	Windom	b
NKD	Minnesota	b	NRX	Unalga	b
NKE	Mississippi	b	NRV	Yamacraw	b
NKF	Missouri	b	NSQ	Smith	b
NKJ	Monadnock	b	NST	Solace	b
NKL	Monaghan	b	NSW	South Carolina	b
NKM	Montana	b	NSX	South Dakota	b
NKN	Monterey	b	NTA	Ontario	b
NKO	Montgomery	b	NTB	Sterrett	b
NKY	Nashville	b	NTC	Stewart	b
NKZ	Navajo	b	NTD	Rainbow	b
NLA	Nantucket Shoals Lightship, off New- port, R. I.	c	NTE	Raleigh	b
NLB	Diamond Shoals Lightship, off Cape Hatteras, N. C.	c	NTF	St. Louis	b
NLC	Frying Pan Shoals Lightship	c	NTG	Sonoma	b
			NTI	Stringham	b
			NTK	Supply	b
			NTL	Sylph	b

U. S. LAND AND SHIP RADIO STATIONS.

NTP	Salem	b	WDU	Puritan	b
NTQ	San Francisco	b	WDV	City of Benton Harbor	b
NTR	Saratoga	b	WDW	Holland	b
NTT	Scorpion	b	WDY	Lydonia	b
NTU	Reid	b	WEA	City of Cleveland III.	b
NTX	Rhode Island	b	WEB	City of Mackinac II.	b
NTZ	Roe	b	WEC	City of Detroit II.	b
NUA	Tacoma	b	WED	Western States	b
NUC	Tallahassee	b	WEE	Eastern States	b
NUG	Tennessee	b	WEF	City of Detroit III.	b
NUI	Terry	b	WEG	City of St. Ignace	b
NUN	Tonopah	b	WEH	City of Alpina II.	b
NUQ	Trippie	b	WEJ	Nyack	b
NUS	Truxton	b	WEK	Minnesota	b
NVE	Utah	b	WEL	E. G. Crosby	b
NVK	Vermont	b	WEN	North American	b
NVM	Vesuvius	b	WEP	El Paso, Texas	b
NVN	Vicksburg	b	WEQ	Col. James M. Schoonmaker	b
NVP	Villalobos	b	WER	William P. Snyder	b
NVR	Virginia	b	WES	William P. Snyder, Jr.	b
NVT	Vulcan	b	WET	Shenango	b
NWD	Warrington	b	WEU	Wilpen	b
NWE	Washington	b	WEW	Marquette & Bessemer No. 1	b
NWG	West Virginia	b	WEX	Marquette & Bessemer No. 2	b
NWH	Wheeling	b	WEY	Alvina	b
NWI	Whipple	b	WEZ	Ashtabula	b
NWK	Wilmington	b	WFA	Georgia	b
NWL	Walke	b	WFB	Alabama	b
NWM	Wisconsin	b	WFC	Indiana	b
NWQ	Wyoming	b	WFD	Iowa	b
NXS	E-1	b	WFE	Carolina	b
NXT	E-2	b	WFF	Fort Worth, Texas	c
NZY	Washington, D. C.	c	WFG	Arizona	b
NZZ	Tarragon	b	WFH	Virginia	b
WAA	Alameda	b	WFI	Chicago	b
WAB	Buckman	b	WFJ	Christopher Columbus	b
WAC	Chicago	b	WFK	Frankfort, Mich.	c
WAD	Victoria	b	WFL	Sheboygan	b
WAE	Edith	b	WFM	Fort Morgan, Ala.	c
WAF	Admiral Farragut	b	WFN	Eastland	b
WAH	Dora	b	WFP	City of Erie	b
WAI	Latoche	b	WFO	City of Buffalo	b
WAJ	Jefferson	b	WFR	State of Ohio	b
WAL	Santa Ana	b	WFS	Secandbee	b
WAN	Northwestern	b	WFV	Manitou	b
WAO	Dirigo	b	WFX	Missouri	b
WAR	Cordova	b	WFY	Sialia	b
WAS	Admiral Sampson	b	WGA	City of Seattle	b
WAU	Dolphin	b	WGD	Delhi	b
WAY	Seward	b	WGE	Spokane	b
WAW	Watson	b	WGH	Grand Haven, Mich.	c
WAY	Admiral Dewey	b	WGI	Curacao	b
WAZ	Admiral Schley	b	WGM	Grand Marais, Minn.	c
WBA	Santa Clara	b	WGN	Santa Rosa	b
WBC	Santa Catalina	b	WGO	Chicago, Ill.	c
WBD	Santa Cruz	b	WGP	President	b
WBF	Boston, Mass.	c	WGP	City of Puebla	b
WBH	Chippewa	b	WGR	Governor	b
WBK	Breakwater	b	WGS	Senator	b
WBL	Buffalo, N. Y.	c	WGT	Congress	b
WBM	Redondo	b	WGU	Umatilla	b
WBN	Benton Harbor, Mich.	c	WGV	Ca. veston, Texas	c
WBO	Nann Smith	b	WGW	Grand Island, La.	c
WBP	Hermosa	b	WGX	Queen	b
WBQ	Yukon	b	WGY	City of Topeka	b
WBR	Bertha	b	WGZ	Guardian	b
WBS	Baltimore, Md.	c	WHA	Cape Hatteras (Buxton), N. C.	c
WBT	Binghampton, N. Y.	c	WHB	New York, N. Y.	c
WBV	Cabrillo	b	WHC	Columbia	b
WBW	Burwood, La.	b	WHD	New York, N. Y.	b
WBZ	Glory of the Seas	b	WHE	Philadelphia, Pa.	c
WCA	Tionesta	b	WHG	W. B. Flint	b
WCB	Juniata	b	WHH	St. Francis	b
WCC	South Wellfleet, Mass.	c	WHI	New York, N. Y.	c
WCF	Octorara	b	WHJ	Sierra	b
WCG	Favorites	b	WHK	New Orleans, La.	c
WCH	Brooklyn, N. Y.	c	WHL	Ventura	b
WCN	Caumet, Mich.	c	WHM	Sonoma	b
WCN	North Land	b	WHN	Hanalei	b
WCT	Theodore Roosevelt	b	WHP	Mariposa	b
WCX	Cleveland, Ohio	c	WHQ	Mackinac Island, Mich.	c
WCY	Cape May, N. J.	c	WHS	Adeline Smith	b
WCZ	Illinois	b	WHT	Whittier	b
WDA	Pere Marquette	b	WHW	Mackinaw	b
WDB	Pere Marquette 19	b	WHX	Humboldt	b
WDC	Pere Marquette 17	b	WJX	Jacksonville, Fla.	c
WDD	Pere Marquette 18	b	WKD	Dakota	b
WDE	Pere Marquette 20	b	WKG	Georgan	b
WDI	City of South Haven	b	WKH	Honolulu	b
WDL	Lakeland	b	WKK	Kansas	b
WDM	Duluth, Minn.	c	WKM	Minnesota	b
WDN	Ann Arbor No. 3	b	WKN	Montanan	b
WDO	Ann Arbor No. 4	b	WKW	Washingtonian	b
WDP	Ann Arbor No. 5	b	WLB	Beluga	b
WDR	Detroit, Mich.	c	WLC	New London, Conn.	b
WDS	City of Grand Rapids	c	WLD	Ludington, Mich.	c
WDT	City of Chicago	b	WLI	Iaqua	b
			WLN	Newton, Mass.	c
			WMA	Multnomah	b

U. S. LAND AND SHIP RADIO STATIONS.

WMB	Mobile, Ala.	c	WTB	Argyll	b
WMC	William Chatham	b	WTC	Lansing	b
WMD	Mary Dodge	b	WTD	Oleum	b
WME	Milwaukee, Wis.	b	WTE	Roma	b
WMI	Minnesota	b	WTF	Santa Maria	b
WMK	Hyades	b	WTG	Santa Rita	b
WML	Lurline	b	WTH	Washtenaw	b
WMN	Hilsonian	b	WTI	Catania	b
WMN	Enterprise	b	WTK	J. A. Chanslor	b
WMO	Wilhelmina	b	WTM	W. S. Porter	b
WMP	Matsonia	b	WTN	Wm. F. Herrin	b
WMQ	Manoa	b	WTP	Scranton, Pa.	c
WMT	General Hubbard	b	WTQ	El Segundo	b
WMW	Manitowoc, Wis.	c	WTR	Richmond	b
WMX	Manistique, Mich.	c	WTS	Col. E. L. Drake	b
WMY	Yucatan	b	WTT	Atlas	b
WNB	Oliver J. Olson	b	WTU	S. O. Co. No. 91	b
WNC	Carlos	b	WTV	Captain A. F. Lucas	b
WND	Windber	b	WTW	Maverick	b
WNE	Nshagak	b	WTX	Asuncion	b
WNF	Lyra	b	WTY	S. O. Co. No. 93	b
WNG	George W. Fenwick	b	WTZ	S. O. Co. No. 95	b
WNH	Lewis Luckenbach	b	WUA	Fort Andrews, Mass.	c
WNI	Leelanaw	b	WUB	Fort Hancock, N. J.	c
WNJ	Navajo	b	WUC	Fort H. G. Wright, New York, N. Y.	c
WNK	Al-ki	b	WUD	Fort Leavenworth, Kans.	c
WNL	Diamond Head	b	WUE	Fort Lovett, Me.	c
WNN	Corwin	b	WUF	Fort Monroe, Va.	c
WNO	A. G. Lindsay	b	WUG	Fort Monroe, Va.	c
WNP	Pleiades	b	WUH	Fort Omaha, Nebr.	c
WNR	Rochelle	b	WUI	Fort Riley, Kans.	c
WNS	Kvichak	c	WUJ	Fort Sam Houston, Tex.	c
WNT	New York, N. Y.	c	WUK	Fort Stevens, Oreg.	c
WNU	New Orleans, La.	c	WUL	Fort Totten, N. Y.	c
WNV	Portland	b	WUM	Fort Wood, N. Y.	c
WNW	San Ramon	b	WUN	Fort Worden, Wash.	c
WNX	North and	b	WUO	Fort Winfield Scott, Cal.	c
WNY	St. Helens	b	WUP	Washington, D. C.	c
WOS	Samson	b	WUQ	Washington, D. C.	c
WOV	Venetia	b	WUV	Fort Leavenworth, Kans.	c
WPA	Santa Cruz	b	WVA	Circle City, Alaska	c
WPB	Tyce Junior	b	WVB	Fairbanks, Alaska	c
WPC	Tyce	b	WVC	Fort Egbert, Alaska	c
WPD	Tampa, Fla.	c	WVD	Fort Gibbon, Alaska	c
WPE	Tatoosh	b	WVE	Fort St. Michael, Alaska	c
WPG	Go-iah	b	WVF	Kotlik, Alaska	c
WPI	Independent	b	WVG	Nome, Alaska	c
WPK	Kingfisher	b	WVH	Nulato, Alaska	c
WPN	Pioneer	b	WVI	Petersburg, Alaska	c
WPO	Zapora	b	WVJ	Wrangell, Alaska	c
WPR	Ensanada, Porto Rico	c	WVL	Fort Frank, P. I.	c
WPS	Starr	b	WVM	Fort Hughes, P. I.	c
WPW	Columbia	b	WVN	Fort Mills, P. I.	c
WPX	Oneonta	b	WVO	Davao, P. I.	c
WPY	Wallula	b	WVP	Fort Drum, P. I.	c
WPZ	Joseph Pulitzer	b	WVQ	Fort McKinley, P. I.	c
WQC	Camino	b	WVR	Fort Wint, P. I.	c
WQE	Edgar H. Vance	b	WVS	Jolo, P. I.	c
WQG	Greenwood	b	WVT	Malabang, P. I.	c
WQS	Speedwell	b	WVV	Manila, P. I.	c
WQY	Yosemite	b	WVV	Puerto Princesa, P. I.	c
WRA	Henry T. Scott	b	WVW	Zamboanga, P. I.	c
WRB	Berlin	b	WVX	Cuyo, P. I.	c
WRC	J. B. Stetson	b	WVY	San Jose, P. I.	c
WRF	Fifield	b	WWA	China	b
WRH	Harvard	b	WWB	Beaver	b
WRJ	Aroline	b	WWD	Bear	b
WRK	Falcon	b	WWE	Manchuria	b
WRM	Riverside	b	WWF	City of Para.	b
WRN	Nome City	b	WWG	City of Sidney	b
WRO	Isle Royal, Mich.	c	WWH	Newport	b
WRR	Roanoke	b	WWI	Pennsylvania	b
WRS	Santa Clara	b	WWJ	Peru	b
WRT	George W. Elder	b	WWK	Korea	b
WRU	Port Arthur, Texas	c	WWL	San Jose	b
WRV	Alliance	b	WWM	San Juan	b
WRW	F. A. Kilburn	b	WWN	Mongolia	b
WRY	Yale	b	WWO	Acapulco	b
WSA	Ashtabula, Ohio	c	WWP	City of Panama	b
WSB	Francis H. Leggett	b	WWQ	Aztec	b
WSC	Siasconet, Mass.	b	WWR	Rose City	b
WSD	Stanley Dollar	c	WWS	Kansas City	b
WSE	Seagate, N. Y.	c	WWU	Siberia	b
WSF	Grace Dollar	b	WXA	Buford	b
WSG	Norwood	b	WXB	Crook	b
WSH	Chehalis	b	WXC	Dix	b
WSI	Sault Ste. Marie, Mich.	c	WXD	Kilpatrick	b
WSJ	John A. Hopper	b	WXE	Liscum	b
WSK	Sagaponack, N. Y.	c	WXF	Logan	b
WSL	Sayville, Long Island, N. Y.	c	WYG	Meade	b
WSN	Centralia	b	WXH	McClellan	b
WSD	Coronado	b	WXI	Merritt	b
WSR	Reuce	b	WXJ	Sheridan	b
WSS	St. Nicholas	b	WXK	Sherman	b
WSV	Savannah, Ga.	c	WXL	Sumner	b
WSW	Willamette	b	WXM	Thomas	b
WSX	Klamath	b	WXN	Warren	b
WSY	Virginia Beach, Va.	c	WXR	Burnside	b
WSZ	Merced	b	WXS	Cyrus W. Field	b
WTA	Erskine M. Phelps	b	WXT	Joseph Henry	b

U. S. LAND AND SHIP RADIO STATIONS.

WYA	General Royal T. Frank.	b
WYB	General S. N. Mills.	b
WYC	Major Samuel Ringgold.	b
WYH	General Robert Anderson.	b
WYI	Captain Chas. W. Rowell.	b
WYJ	General A. M. Randol.	b
WYK	General Harvey Brown.	b
WYL	General R. B. Ayres.	b

WYM	James Farnance	b
WYN	Reno	b
WYO	Major Thomas	b
WYP	Captain Barrett	b
WYT	Capt. A. M. Weehoull.	b
WZG	De Russey, T. H.	c
WZH	Fort Shafter, T. H.	c

U. S. AMATEUR RADIO STATIONS.

Registered with the U. S. Government.

FIRST DISTRICT.

[Headquarters: Customhouse, barge office, Long Wharf, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
1AB	Brown, Philip T.	1HE	Lynde, Kenneth R.	1JK	Franke, Alfred A.	1LT	Scott, Ralph A.
1AC	Kennedy, Chester A.	1HF	Gardner, Chester R.	1JL	Cabm, Sebastian, jr.	1LU	Taylor, Frank J.
1AD	Smith, Edward S. C.	1HG	Cogswell, George R.	1JM	Chever, Walter G.	1LV	Tufts, J. Warren.
1AE	Sterling, George E.	1HI	Burke, Alan W.	1JN	Bruce, Arthur O.	1LW	Van Brocklin, William
1AF	Hodskins, Winfield C.	1HJ	Hunt, Albert M.	1JO	Snow, William B.	1TJ	Johnson, Alexander R.
1AG	Hutchins, Ray.	1HK	Denison, Horace W.	1JP	Decker, Clarence.	1TM	Mason, Lion G.
1AH	Ward, Donald G.	1HL	Affel, Herman A.	1JQ	Hoffman, Frank E.	1TN	Mahoney, Charles J.
1AI	Brown, Olin C.	1HM	Hammitt, Herbert M.	1JR	Delano, Edward C.	1TO	Newton, Raymond C.
1AJ	Fabbri, Alessandro.	1HN	Flood, J. P. J.	1JS	Powers, Leonard S.	1TW	Watrous, Ralph C.
1AK	Tabbut, Arthur R.	1HO	Merrill, Clark B.	1JT	Carlson, Arthur G.	1UA	Hargraves, Harold T.
1AL	Wyer, Otis W.	1HP	Cromack, N. G. N.	1JU	Dane, Francis W.	1UB	Pease, Reginald M.
1AM	Butler, Guy W.	1HQ	Broadley, Harry R.	1JV	Reuther, Henry.	1UC	Creaser, Isalah.
1AN	Pratt, Rhama W.	1HR	Elliott, Thomas H., jr.	1JW	Long, John J.	1UD	Donle, Harold P.
1AR	Rien, Marion.	1HS	Shattuck, Herbert.	1JY	Herland, John N.	1UE	Jette, George E.
		1HT	Anderson, James H.	1JZ	Lanvette, Kenneth H.	1UF	Perkins, Leonard M.
1BA	Fitts, Harold W.	1HU	Upton, Harry E.	1KA	Stickney, H. E.	1UG	Bigelow, Fred C., jr.
1BC	Dimick, Leon R.	1HV	Ryan, James A.	1KB	Richards, W. T.	1UH	Handy, William R.
1BM	Copps, John L.	1HW	Munroe, H. W. T.	1KC	Howe, Milton A.	1UI	Bailey, William M.
1BN	Shaw, Raymond H.	1HX	Leavitt, Elmer A.	1KD	David, Harold E.	1UJ	Ashworth, Harry.
1BO	Canty, William R.	1HY	Bennett, Lawrence S.	1KE	De Mello, Edward.	1UK	Tutin, Kenneth A.
		1HZ	Duncan, Harrie E.	1KF	Pennypacker, Thomas R.	1UL	Bigelow, Clinton A.
1CM	McLane, Henry R.	1IA	Saint James, Robert T.	1KG	Manning, Ralph K.	1UM	Miller, Bernard H.
1CG	Atkins, Harry C.	1IB	Richmond, Harold B.	1KH	Doten, H. B.	1UN	Henry, William E.
1CP	Conrad, Philip W.	1IC	Stanyan, Starr W.	1KI	Loring, Wilfred B.	1UO	Doyle, John B.
1CV	Hove, Reginald.	1ID	Keller, Adrian C.	1KJ	Anderson, Arvid E.	1UP	Trainor, Francis J.
1CW	Chase, Robert McC.	1IE	Kenoe, Francis.	1KL	Edson, Allan W.	1UQ	Barth, Karl E.
1CX	Parker, George H.	1IF	Bennett, William F., jr.	1KM	Meehan, William J.	1UR	Doherty, James E.
1CY	Haselton, Page S.	1IG	Eveitch, Harlan A.	1KN	Wilkinson, John E.	1US	Thorndike, Don C.
1GA	Snow, Harold C.	1IH	Patten, Ernest L. O.	1KO	Bowen, Harold C.	1UV	Monahan, Edward M.
1GB	Blount, Henry G.	1IJ	Fulder, Clarence C.	1KP	Justice, Francis C.	1UW	Nilson, Arthur R.
1GC	Chadwick, Gilbert L.	1IK	Fassitt, Andrew J., jr.	1KQ	Armstrong, James B.	1UX	Budlong, Clifton O.
1GD	Lane, Frederick A.	1IL	Dallin, Edwin B.	1KR	Borden, Howard G.	1UY	Lippitt, Gorton T.
1GE	Wheeler, Fred L.	1IM	Dean, Samuel W.	1KS	Seabury, William H.	1UZ	Homer, Arthur B.
1GF	Fowler, F. M.	1IN	Conner, George W.	1KT	Benoit, Walter R.	1VH	Hickmott, William J.
1GG	Bibber, Harold.	1IO	Lamson, Horatio W.	1KU	Bowen, Earl H.	1VL	Belknop, Edward L.
1GI	Morse, H. E.	1IP	Pratt, Walter.	1KV	Hurley, Albert V.	1VM	McGuire, William C.
1GJ	Daniels, Richard M.	1IQ	Leand, Harold.	1KW	Wood, James E.	1VO	Green, Louis.
1GK	Stanley, Lyman R.	1IR	Lacy, Donald.	1KX	Battellier, Arthur.	1VW	Haskell, Shirley D.
1GL	Bush, Arthur W.	1IS	Lewis, Minott W.	1KY	Bishop, Leon W.		
1GM	Allen, J. Wyman.	1IT	Leach, George.	1KZ	Fiske, John.		
1GN	Smith, Malcolm H.	1IU	Barnes, Irving T.	1LB	Blume, Carl.	1WB	Barnum, Roland E.
1GO	Estey, F. Clifford.	1IV	Church, Arthur E.	1LC	Bowen, Arthur N.	1WJ	Barrett, John H.
1GP	James, Albert W.	1IW	Snyder, William E.	1LE	Corney, Chester A.	1WN	Edwin Bancroft Foote-Boys' Club.
1GQ	Westbrook, Leon R.	1IX	Wilde, Phillips B.	1LF	Beverly High School.	1WO	Post, Harold.
1GR	Hodges, Duncan.	1IY	Ohlson, Olof.	1LG	Corey, Frank J.	1WP	Cummings, Edward H.
1GS	Hardy, Wilbur H.	1IZ	Baxter, Horace M.	1LH	Dickson, William E.	1WQ	Seeley, Arthur P.
1GT	Loomis, Arthur T.	1JA	Dimond, Fred A., jr.	1LI	Fitch, Conover.	1WR	Sawtelle, Donald F.
1GU	Bernardin, L. A.	1JB	Lord, Howland C.	1LJ	King, Alexander R.	1WS	Buffett, Salathiel.
1GV	Gavill, Wilbur W.	1JC	Fairbanks, Robert D.	1LK	Knight, Hugh C.	1WT	Salzgeber, John W.
1GW	Haddock, Charles C.	1JD	Collins, Lovejoy.	1LP	Newton Technical High School.	1WU	Lucas, Orville.
		1JE	Hayward, Edward E., jr.	1LQ	Perry, Willard H.	1WX	Safrank, Jerry.
1HA	Allison, William H.	1JF	Snow, Albert E.	1LR	Rawson, Homer E.	1WY	Hoggon, Wallace.
1HB	Burgess, Warren B.	1JG	Pratt, Fearing.	1LS	Rune, Leon C.	1WZ	Davis, Maurice E.
1HC	Cheetham, Harry R.	1JH	Hubbard, Alen, jr.				
1HD	Canfield, Donald T.	1JI	Lawrence, Milford R.				

SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Schenectady, Albany and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean).]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
2AA	Flagg, John H.	2A0	Jones, Robert O.	2BC	Kaltenbach, Harry J., jr.	2BP	Phipps, Donald A.
2AB	Anderson, Lloyd C.	2AP	Smith, Irving R.	2BD	Banta, Theodore C.	2BQ	Ingraham, W. lace.
2AC	Hart, Gifford R.	2AQ	Corson, David N.	2BE	Yerbury, George S., jr.	2BR	Krech, Karl G.
2AD	Dammers, Albert.	2AR	Hackmann, William J.	2BF	Schell, Richard, jr.	2BS	Pearson, Herbert B.
2AE	Happe, William H.	2AS	De Yoe, Willard L.	2BG	Mowton, Edward M.	2BT	Barrett, Howard A.
2AF	Bryant, Marquis V.	2AT	Guick, Baldwin.	2BH	Schulte, Carl.	2BU	Eltz, George J., jr.
2AG	Mulford, Harold C.	2AU	Bryan, Chester W.	2BI	Morgan, Walter V.	2BV	Waisson, John H.
2AH	Edelman, Abraham.	2AV	Buhlman, Charles F.	2BJ	Seaman, Chapman W.	2BX	Brick, Frank R.
2AI	Eber, John G.	2AW	Hall, Joseph H.	2BK	Green, Adoniram J.	2BY	Keller, Julius F.
2AJ	Mahr, George W.	2AX	Smith, David S.	2BL	Kirch, George.	2BZ	Lyman, C. Glenn.
2AK	Ferris, Howard E.	2AY	Gittelbauer, Frederick.	2BN	Heermance, Earle.	2CA	Leidecker, Morris.
2AL	Stanley, Walter N.	2AZ	Pearl, Eugene S.	2BO	Griswold, Edmund J.	2CB	Schram, John, jr.
2AM	Haeelbarth, Percy.	2BA	Ash, Harry M., jr.		Schermerhorn, Howard F.	2CC	McKey, Dixie.
2AN	Sedlak, Conrad J.	2BB	Spahr, Clark H.				

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
2CD	Prosser, Rogers D.	2FR	Way, John D.	2JB	Schaefer, Charles L.	2ML	Quinby, E. J.
2CE	Muns, Robert.	2FS	Stanley, Howard L.	2JC	Cowan, Clarence.	2MW	Apgar, Charles E.
2CF	Demarest, Merritt.	2FT	Bishop, Mortimer.	2JD	Boeder, Arthur.	2WN	Carrougher, Vivian A.
2CG	Blodgett, Harry C.	2FU	Benzing, Herman.	2JE	Wendelstadt, Lucius F.	2MO	Ostman, Frederick B.
2CH	Driggs, Louis L., jr.	2FV	Behnken, Henry J.	2JF	Frey, Anthony C.	2MP	Pearall, William E.
2CI	Austin, Edward.	2FW	Macpherson, Claude V.	2JG	Merrilwe, Randall W.	2MQ	Weber, Ernest A.
2CJ	Bathgate, Walter E.	2FX	Wilhelm, Frederick.	2JH	Brown, David S., 3d.	2MR	Atwater, Frank G., jr.
2CK	O'Brien, Thomas.	2FY	Hartman, Robert.	2II	Edgy, L. E.	2MS	Berli, Herbert.
2CL	Giddereve, Louis C.	2FZ	Harris, Charles C.	2IJ	Webb, James L., jr.	2MT	Lech, Henry L.
2CM	Huehner, Curtis J.			2JK	Mitchell, Arthur M.	2MU	Hengerer, Howard B.
2CN	Dickey, Edward T.	2GA	Winn, Carl P.	2JL	Brownell, Charles E.	2MV	Bell, Arthur E.
2CO	Morrell, W. Frank.	2GB	Bartlett, Bernard W.	2JN	Freeland, Wilbur W.	2MW	Crichton, Arthur M.
2CP	Totten, Elmer E.	2GC	Sonn, Albert E.	2JO	Smith, Nelson V.	2MX	Heffernan, William J.
2CQ	Dig, A. Norman.	2GD	Farquharson, John S.	2JP	Smith, Julius J. R.	2MY	Morris, Robert.
2CR	Blauwe, William M.	2GE	West, Thomas K.	2JQ	Merrill, Walter E.	2MZ	No'an, Charles C.
2CS	Pedersen, Guy O.	2GF	Gabrielson, Henry M.	2JR	Dietz, Burr V.		
2CT	Bunn, Milo B.	2GG	Dahlgren, Berger.	2JS	Brunns, Henry H.	2NA	Adickes, Ernest D.
2CU	Palm and, Philip.	2GH	Ketting, Clarence A.	2JT	Ladow, Arthur C.	2NB	LeGalle, Clayton B.
2CV	Wa'bel, Walter W.	2GI	Bockelmann, Charles F.	2JU	Goette, C. J.	2NC	Schm.d., Paul.
2CW	Hersh, Harry H.	2GJ	Beard, Gerald A.	2JV	Leat, Richard C.	2ND	Schweizer, Charles L.
2CX	Van Dyke, John.	2GK	Hubbard, John W.	2JW	Hofmann, Charles.	2NE	Westerhoff, Peter, jr.
2CY	Tilton, Ernest R.	2GL	Marshall, Richard E.	2JX	DeCortin, Gustav A.	2NF	Homan, Eber J.
2CZ	Poe, Vergil C.	2GM	Ballard, J. Adams.	2JY	Rupert, S. E. G.	2NG	Connavale, Alfonso.
		2GN	Westman, A. Alexander.	2JZ	Naylor, Walker.	2NH	Horn, Charles W.
2DB	Zucker, Richard D.	2GO	Peltier, Paul D.			2NI	Mo'es, Charles E.
2DC	Kahn, Walter A.	2GP	Rutherford, T. Bruce.	2KA	Kroener, Christian.	2NJ	Burckett, Maxwell K.
2DD	Fitzgerald, Gordon P.	2GQ	Eckhardt, John.	2KB	Tyrral, Randolph E.	2NK	Palm, J. Adam.
2DE	Rutmann, Ferdinand.	2GR	Stagle, Edwin L.	2KC	Werner, Charles M.	2NL	Burnett, Walter J.
2DF	McIntyre, Meybert A.	2GT	Dunn, Allison van V.	2KD	Browne, Walram S.	2NM	Sharp, Wadkin.
2DG	Higgs, Harry Y.	2GU	Noller, Charles, jr.	2KE	Frey, George.	2NN	Lech, David E.
2DH	Es ls, Wallace H.	2GV	Insurgie, John A.	2KF	Searing, Hudson R.	2NO	Herritt, Frank.
2DI	Cyriax, Ernest.	2GW	Landman, Elmer S.	2KG	Wriggins, Charles A.	2NP	Koenig, George F.
2DJ	Schlitz, Karl W.	2GX	Snowden, Fred.	2KH	Solberg, Walter.	2NQ	Isaacson, Charles B.
2DK	Hill, William S.	2GY	Fallon, Harry A., jr.	2KI	Uphoff, Leslie S.	2NR	Wohltmann, Henry M.
2DL	Price, Henry S.	2GZ	Hill, Cedric S.	2KL	Beebe, Lloyd S.	2NS	Hoffman, Paul J.
2DM	Sachs, Harold.		Plate, Fred W.	2KK	Day, Howard B.	2NT	Reyl, George.
2DN	Cul en, Edward R.	2HA	McCoy, Daniel.	2KL	Gregory, Arthur V.	2NU	Berglund, Edward A.
2DO	Gerrity, John J.	2HB	Northfield, L. E.	2KN	Francis, Charles.	2NV	Mered, George.
2DP	Coene, Edgar S.	2HC	Barue, Carl F.	2KO	Collison, Percy B.	2NW	Berel, Milton.
2DQ	Schwarzko, Irving M.	2HD	Underwood, Kenneth C.	2KP	McClure, Donald.	2NX	Mehrbrey, William.
2DR	Cooper, Teifer F.	2HE	Sackett, Milton B.	2KQ	Edwards, Harry M., jr.	2NY	Austrian, Ralph B.
2DS	Clark, Le Roy.	2HF	Coots, Charles W.	2KR	Lebowitz, Samuel.	2NZ	Freil, A. Leslie.
2DT	Shaw, Oswald F.	2HG	Peters, Frank J.	2KS	Shropshire, Lee R.		
2DU	Smith, Joseph T.	2HH	Dederick, H. C.	2KT	Saulnier, Stanley G.	2OA	Hammond, Lester.
2DV	Hathaway, Harry C. B.	2HI	Holler, Walter J.	2KU	Jackson, Edward C.	2OB	Fox, Loyal S.
2DW	Halahan, John.	2HJ	Hadden, Walter.	2KV	Rogers, Lory's A.	2OC	Erasmus Hall High School.
2DX	Seyd, Ernest K.	2HK	Burrows, Henry P.	2KW	Plummer, James A.	2OD	Delouchy, Edmund A.
2DY	Palmer, Corydon.	2HL	Schippel, August, jr.	2KX	Noble, Kendrick.	2OE	Walker, Raymond L.
2DZ	Watters, John J.	2HM	Sands, Walter H.	2KY	McLaughlin, Robert J.	2OF	Meinecke, Ernest.
		2HO	Lyons, William B.	2KZ	Wedon, Charles.	2OG	Cockaday, Lawrence M.
2FA	Williams, Earl C.	2HP	Mayhew, B. Alan, jr.			2OH	Lang, Ernest.
2FB	Love, Graham von S.	2HQ	Chandler, Arthur C.	2LA	Miller, Frederick R.	2OI	Folks, Leslie E.
2FC	Thede, Fred, and C.	2HR	Macartney, George E.	2LB	Bertine, Edwin K.	2OJ	Tong, Myron A.
2FD	Winslow, Charles D.	2HS	Hotchkiss, Grosvenor.	2LC	Roberts, A. Perry.	2OK	Stanton, Walter.
2FE	Jacob, Charles F.	2HT	Zeit, Edwin.	2LD	Cotter, William F.	2OL	O'Brien, Laurence J.
2FG	Hurd, John B.	2HU	Barrett, L. W.	2LE	Egolf, Richard S.	2OM	Maher, Frank A.
2FH	Willmot, George B.	2HV	Lane, David M.	2LF	Bartlett, Charles H.	2ON	Kellow, James C.
2FI	Quick, Henry C.	2HW	Noonan, Edward J.	2LG	McLaughlin, Fred L.	2OO	Zimmermann, Edwin W.
2FJ	Bechtloff, Claude B.	2HX	Reichfeld, Nicholas.	2LH	Sayres, Ralph A.	2OP	Prendergast, Robert M.
2FK	Fagan, James F.	2HY		2LI	Meecham, Frederick C., jr.	2OQ	Wade, J. Melmoth.
2FL	Meyer, William E.	2HZ				2OR	Vernally, Irving.
2FM	Crosby, Ray C.			2LJ	Rodenburg, Herman.	2OS	Cohen, Walter.
2FN	Uzman, J. George.	2IA	Royce, Winfred A.	2LK	De Baun, Harold J.	2OT	Urbain, Ferdinand A.
2FO	Schneider, Alexander.	2IB	Oliver, George E.	2LL	Benedict, Alonzo R.	2OU	Siebert, Walter.
2FP	Mead, George S. V.	2IC	McGiehan, Donald C.	2LM	Dunn, Laurence J.	2OV	Littfield, Charles E.
2FQ	Sched er, Herbert.	2ID	Reye, Stanley.	2LN	Morrison, Clifford P.	2OW	Restrew, Walter C.
2FR	Backer, William.	2IE	Leomon, Walter S.	2LO	Coffin, Russell S.	2OX	Mardon, F. Herbert.
2FS	Campbell, Robert, jr.	2IF	Werker, Charles A.	2LP	Green, R. J.	2OY	Jones, Frank.
2FT	Eng and, George B.	2IG	Merk, T. B. J.	2LQ	Belt, Charles B.	2OZ	Dufford, John S.
2FU	Dro te, George T.	2IH	Tense, William F.	2LR	Taussig, Charles W.		
2FV	Hallock, Charles S.	2II	Howell, Walter J.	2LS	Summers, W. F.	2PA	Carman, Newton I.
2FW	Hamilton, Joseph E.	2IJK	Cochran, Alexander.	2LT	Galvin, Lee R.	2PB	Haight, Russell P.
2FX	Jackson, Benjamin B.	2IK	Howe, David D.	2LU	Baker, William N.	2PC	Barrette, Samuel L.
2FY	McKinney, Fred J.	2IL	McClintock, George C.	2LV	Stutz, Ernest W.	2PD	Schomp, Roy.
2FZ	Schupp, Charles H.	2IM	Spangenberg, Lester.	2LW	Bartel, J. F.	2PE	Fritch, Vincent J.
		2IN	Scodell, Robert W.	2LX	Adelphi College.	2PF	Pope, Frederick B.
2FA	Pfeifer, Clarence H.	2IO	Scharrenbeck, George H.	2LY	Hoover, Raymond.	2PG	Eckstein, William J.
2FB	Paris, Robert.	2IP	Robin, Rev. Fernand.	2LZ	Woodrow, William.	2PH	Blackburn, Godfrey C.
2FC	Meersseman, Julian A.	2IQ	Elliott, Paul C.			2PI	Evans, Clarence L.
2FD	Cheel, Harold W.	2IR	Foulke, J. Brion, jr.	2MA	Hallenbeck, Charles.	2PJ	Thomas, Alonzo E., jr.
2FE	Tannenbaum, Harold.	2IS	Ricketts, Percy E.	2MB	Villar, Laurence G.	2PK	Otten, G. C.
2FH	Weiss, Jacob.	2IT	Young, Henry.	2MC	Roberts, Irving J.	2PL	Lindsay, Daniel E.
2FI	Kirkpatrick, Louis W.	2IU	Hickman, Cedric A.	2MD	Pendleton, Harold A.	2PM	Sellers, Millard.
2FJ	Hew g. Herman F.	2IV	Vindsay, Russell.	2ME	Archibald, John O.	2PN	Berger, H. C. V. B.
2FK	Hamilton, Ralph.	2IY	North, John B.	2MF	Hopcock, Allen H.	2PO	Mott, Harold J.
2FL	Lehmann, August, jr.	2IX	Black, Edward T.	2MG	Vaughan, George W., jr.	2PP	Maxwell, Edwin H.
2FM	Perkins, William P.	2IY	Dugan, Edward W.	2MH	Buchanan, William F.	2PQ	Monsen, Hans S.
2FN	Jamison, Herbert L.	2IZ	Frazer, Frank.	2MI	Morris, Earle S.	2PR	Dynner, Eugene.
2FO	Clark, William C.			2MJ	Williams, Roy D.		
2FP	Woerner, Charles A.	2JA	Story, Robert K., jr.	2MK	Smith, Daniel W.	2SC	Constant, S. Victor.
2FQ	Harwick, Ambrose H.						

THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district) Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia and the District of Columbia.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
3AA	Ashmore, John W.	3AE	Gaffney, James H.	3AI	Garrett, Curtis L.	3AM	Wise, Leonard J.
3AB	Butterworth, Horace D.	3AF	West, William M.	3AJ	Bausman, George H.	3AN	Walsh, Maurice L.
3AC	Simon, Henry.	3AG	Weant, Clarence H.	3AK	Duall, Edward B.	3AO	Collier, Wilbur H.
3AD	Phillips, William J.	3AH	Triede, Carl L.	3AL	Flentje, George F.	3AP	Patzschke, August.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
3AQ	Hogan, Harold O.	3EN	Bailey, Albert S.	3II	Coin, Thornley.	3MD	Dulany, Franklin R.
3AR	Gilpia, Levering H.	3EO	Mater, Caleb R.	3IJ	Cooper, James W.	3NE	Lamdin, Charles K.
3AS	Stumpfner, Albert G.	3EP	Kennedy, Joseph H.	3IK	Snyder, Harry H.	3MF	Hitchner, Clyde G.
3AT	Parsons, Harry S.	3EQ	Mackendrick, Robert G.	3IL	Pawson, James M.	3MG	Ferguson, William
3AU	Schultz, Henry.	3ER	Larrimore, James F.	3IM	Mellon, Charles E.	3MH	Conover, George R.
3AV	Glashoff, H. Irving.	3ES	Martin, E. Linton.	3IN	Vogel, Charles E.	3MI	Nash, Clifford S.
3AW	Ely, Harry S.	3ET	Fisher, Howes N.	3IO	Groves, Fred G.	3MJ	Falconer, Norwood B.
3AX	Arner, Oscar Q.	3EU	Shelley, Cheston.	3IP	Anderson, Albert.	3MK	Wilson, William P.
3AY	Blodgett, Charles L.	3EV	Brannan, Julian L.	3IQ	Knoll, Lloyd M.	3ML	Kutz, Charles E.
3AZ	Gillingham, George L., jr.	3EX	Scheffey, Ralph.	3IS	Wallace, Lewis J.	3MM	King, Albert.
3BA	Anthony, Wm. H.	3EY	McIntyre, William.	3IT	Weaver, Howard A.	3MN	Hollinshead, Norman B.
3BB	Kralovec, Dalibor.	3EZ	Donovan, Edgar R.	3IU	Stritzel, Alfred H.	3MO	Bickel, E. Clifton.
3BC	Stephen, C. Chester.	3FA	Davis, Edwin.	3IV	Hart, Reginald L., II.	3MP	Cohen, Henry.
3BD	Allen, Percival R.	3FB	Darby, George B., jr.	3IW	Wilson, Willard S.	3MR	Trumbower, Raymond.
3BE	Critchlow, Samuel T.	3FC	Weik, Charles F.	3IX	Mitchener, Harold G.	3MS	Barthart, Lawrence W.
3BF	Teller, Leslie W.	3FD	Simon, Walter.		W.ress Telegraphy.	3MT	Peck, G. Warren.
3BG	Clark, Edwin T.	3FE	Rabl, Samuel.	3IY	Tolbert, Warren.	3MU	Eckard, Lewis D.
3BH	Flather, Bryan S.	3FF	Dempster, Warren J.	3IZ	Faunce, B. Warren.	3MV	Whitaker, Lorenzo D.
3BI	Deery, Walter J.	3FG	Godfrey, James M.	3IA	August, Earl W.	3MW	Posak, James L., jr.
3BJ	Henderson, Frank.	3FH	Smith, Sewall P.	3IB	Knobel, Arthur J.	3MX	Stewart, George W.
3BK	Brown, Merritt M.	3FI	Wever, John A.	3IC	Riley, Arthur J.	3MY	Wheeler, William A.
3BL	Jaquet, Maurice J.	3FJ	Huber, Francis M.	3ID	Wilcott, Roger G.	3MZ	Husted, Mortimer I.
3BM	Allen, George Y.	3FK	Schleher, Paul H.	3IE	Dickerson, E. S., jr.	3NA	Zang, Joseph A., jr.
3BN	Heisley, George E.	3FL	Wiler, William L.	3IF	Gooding, Frederick R.	3NB	Frye, Marcus, jr.
3BO	Brady, John B.	3FM	Hartley, Milton E.	3IG	Scholl, Warren.	3NC	Dalling, Howard.
3BP	Blackwood, George E.	3FN	Deichmiller, Alvin.	3IH	Brockman, F. C.	3ND	Hirst, Arthur C.
3BQ	Bugbee, Newton A.	3FO	E. L. DuPont DeNemours	3II	Burdette, Aubrey W.	3NE	Passano, Leonard W.
3BR	Crothers, Harry W.		Powder Co.	3IJ	Bergmann, Frederick J.	3NF	Pohlig, William T.
3BS	Wolff, William J.	3FP	Satterthwaite, Frank W.	3IK	Wilson, Edward C.	3NG	Bean, Roscoe D.
3BT	Hoffman, W. Hollis.	3FQ	Kralner, James B.	3IL	McCaskey, Edward R.	3NH	Bierfreund, Max A.
3BU	Cresse, Alfred J.	3FR	Dunston, E. Craig.	3IM	Freedom, Leon.	3NI	Bel, Albert A., jr.
3BV	Bacon, Franklin F.	3FS	Durkee, Alfred C.	3IN	Korab, Harry E.	3NJ	Wicks, Preston S.
3BW	Campbell, John W.	3FT	Dudley, De Witt C.	3IO	Hicks, A. Willet, jr.	3NK	Godfrey, Howard L.
3BX	Carpenter, C. E., jr.	3FU	Wunder, William F.	3IP	Sterns, Morton W.	3NL	Behm, L. P. F.
3BY	Statz, Henry M.	3FV	Edwards, Charles.	3IQ	Benson, Thomas W.	3NM	Fane, Anthony R.
3BZ	Leister, Fayette.	3FW	Hunter, Edwin J.	3IR	Snow, Harold A.	3NN	Bachert, Homer A.
3CA	Adelberger, Adrian J.	3FX	Hutchinson, Samuel J.	3IS	Beekley, Francis C.	3NO	Steach, Robert W.
3CB	Grant, Ulysses S.	3FY	Core, Christopher W.	3IT	Hampson, George M.	3NP	Jones, L. A. Frantz.
3CC	Jenkins, Russell L.	3FZ	Coney, Charles B.	3IU	Fenimore, Robert S.	3NQ	Morley, Augustin H.
3CD	Michals, Herman L.			3IV	Lehr, William.	3NR	Ferris, Malcolm.
3CE	Fischer, George H., jr.	3GA	Magee, John W.	3IW	Broadbelt, J. Edward, j	3NS	Radio Apparatus Co.
3CF	Laager, Creston F.	3GB	Rohrich, George J.	3IX	Hoagland, Donald.	3NT	Rafferty, John A.
3CG	Adelberger, Francis.	3GC	Kriemien, Joseph.	3IY	Hann, Charles B.	3NU	McIntecher, Frederick D.
3CH	Ferris, Malcolm.	3GD	Hofmeister, Charles P.	3IZ	Costella, Pietro.	3NV	Robey, V. C. K.
3CI	Nordstrom, John W.	3GE	Doolittle, Charles M.	3KA	McEuen, Earl W.	3NW	Burke, Thomas J.
3CJ	Imfield, Fred.	3GF	Blankenship, Elliott E.	3KB	Goodall, Alfred B.	3NX	Wells, John M.
3CK	Moody, Matthew C.	3GG	Jones, Winters.	3KC	Kendall, Raymond V.	3NY	Stee, Sherman E.
3CL	Coleman, Walter V.	3GH	McDonald, Stuart.	3KD	Noel, James F.	3NZ	Brannin, Manli L.
3CM	Van Horn, J. Chunn.	3GI	Pelham, Fred B.	3KE	Allen, Francis H.	3OA	Urner, Joseph W.
3CN	Ashton, Leon W.	3GJ	Sorenson, Christian.	3KF	Green, Anthony J.	3OB	Kennedy, Ignatius L.
3CO	Campbell, James S.	3GK	Troth, Raymond H.	3KG	Bogers, Alfred K.	3OC	Grover, H. Marshall.
3CP	Bunking, George M., jr.	3GL	Meek, Michael.	3KH	Bowen, Albert.	3OD	Hemmann, William C.
3CQ	Yeager, George R.	3GM	Felows, J. Howard.	3KI	Staney, John S.	3OE	Gray, Harry L.
3CR	Ellis, William G.	3GN	Board of Public Education,	3KJ	Worrest, Howard A.	3OF	Talbot, George L.
3CS	Cochran, A. Robb.		Philadelphia, Pa.	3KK	Hofmann, George A.	3OG	Jones, John W.
3CT	Farnham, Henry A.	3GO	Norcross, Earl L.	3KL	Wagner, William H.	3OH	Levy, Lewis.
3CU	Gauss, Harry W.	3GP	Amig, Edward P.	3KM	Manzie, Nicholas.	3OI	Woffe, Aubrey B.
3CV	Kelley, George W., jr.	3GQ	Miler, Kelly, jr.	3KN	Barr, Richard H.	3OJ	Pool, J. Alexander.
3CW	Lange, John R.	3GR	Wood, Richard M.	3KO	Chalmers, Edwin L.	3OK	Kerr, William C.
3CX	Toboldt, William K.	3GS	McCafferty, Rea B.	3KP	Myers, Roy R.	3OL	Grant, Arthur F.
3CY	Hubbs, Edwin E.	3GT	Searle, William J., jr.	3KQ	Wexler, Bernard.	3OM	Mooney, John, jr.
3CZ	Wheatley, Douglas M.	3GU	Hopkins, Robert E.	3KR	Rede, G. Ross.	3ON	Matos, Walter A.
3DA	Peterson, Raymond E.	3GV	Laber, Joseph M.	3KS	Williams, John McC.	3OO	Hindin, Louis M.
3DB	Smiley, Richard E.	3GW	Frazier, George F.	3KT	Hoitzinger, Horace K.	3OP	Fink, Louis, 3d.
3DC	Bergen, Donald M.	3GX	Robinson, George C.	3KU	Bakestrow, Charles E., jr.	3OQ	Bryson, Harold E.
3DD	Werk, Ashton G.	3GY	Staub, James.	3KV	Van Duyn, Carlton.	3OR	Signor, Frederick H.
3DE	Tallman, Frank G., jr.	3GZ	Laird, J. Ira.	3KW	Erickson, Alfred O.	3OS	Lafferty, Francis A.
3DF	Smith, Randolph.	3HA	Wiseman, Luther B.	3KX	Knight, G. Webber, jr.	3OT	Faust, Elmer J.
3DG	White, Norman P.	3HB	Taylor, S. L. Med.	3KY	Cole, Jesse James.	3OU	Schwering, Harry C., jr.
3DH	Stahl, Harry E., jr.	3HC	Thackeray, Samuel J.	3KZ	Roberts, Harold A.	3OV	Singewald, Paul H.
3DI	Lowell, Percival D.	3HD	Larzelere, Lindley E.	3LA	Levin, Davis.	3OW	Patchel, Robert E.
3DJ	Diggins, Edward P. G.	3HE	Parks, Laurence W.	3LB	Eddings, Frederick T.	3OX	Wick, Arthur.
3DK	Richardson, Thomas L.	3HF	Wakefield, C. Bishop.	3LC	Eberly, Jacob A., jr.	3OY	Gompf, August P.
3DL	Muniz, Manuel E.	3HG	Place, Samuel W.	3LD	Pisan, Sylvester.	3OZ	Colins, Benjamin W.
3DM	MacFeters, John.	3HI	Stapp, John W.	3LE	Evans, J. Arthur.	3PA	Schlichting, E. N. E.
3DN	France, A. Ward.	3HJ	Bradley, Horace E.	3LF	Shreiner, Carl H.	3PB	Zorger, Daniel H.
3DO	Maxson, Donald L.	3HK	Stokes, Josiah T.	3LG	Lyon, Harry H.	3PC	Abbott, E. H. B.
3DP	McDonald, Lester B.	3HL	Nielson, Harold, jr.	3LH	Weiss, Leonard.	3PD	Meyer, Emil J.
3DQ	Smith, G. Victor.	3HM	Hickman, Paul.	3LI	Downing, John S.	3PE	Bassett, William W.
3DR	Eyster, James A.	3HN	Schuck, Leon H.	3LJ	Johnson, Harry F. W.	3PF	Postpical, Otto Y.
3DS	Parks, Walter A.	3HO	Fithian, William S., jr.	3LK	Martin, Robert C.	3PG	Proudley, Charles E.
3DT	Wells, William C., jr.	3HP	Duncan, Rodney P.	3LL	Van Horn, J. Orville.	3PH	Harris, Edwin R.
3DU	Bauman, P. J.	3HQ	Happold, Harold H.	3LM	Faries, Walter R.	3PI	Atlee, Franklin.
3DV	Uphoff, Frank B.	3HR	Thornton, Earl H.	3LN	Doyle, John E.	3PJ	Berman, Harry.
3DW	Lowery, Norman S.	3HS	Murray, Eugene M.	3LO	Godfrey, Clarence M.	3PK	McGarr, Herbert K.
3DX	Lukens, Wilfred P.	3HT	Falkenberg, August E.	3LP	Bensham, Harry W.	3PL	Ballantine, Charles S.
3DY	Miller, Frederick E.	3HU	Falcon, Louis.	3LQ	Birch, Stanford S.	3PM	Lusse, Richard N.
3DZ	Fisher, Roy S.	3HV	Sithens, Edward.	3LR	Cooper, William F.	3PN	Pemberton, Henry R.
3EA	Wright, Clifton P.	3HW	James, Herman.	3LS	Schramm, Fred A.	3PO	Watson, James B.
3EB	Adam, Francis J.	3HY	Kratz, Herman.	3LT	Erickson, John L., jr.	3PP	Skinner, William H.
3EC	Giffin, Sidney H.	3HZ	R. Schwein, Louis C.	3LU	Ellis, J. Elton.	3PQ	Strieby, Malcolm.
3ED	Price, Thompson.	3IA	Good, Horace D.	3LV	Griffin, Aloysius.	3PR	Hahn, Clarence Le Roy.
3EE	Zinn, Richard S.	3IB	Puff, Stephen F.	3LW	Waite, John W.	3PS	Hoit, Clarence J.
3EF	Reiff, W. Norman.	3IC	Morris, Edward P.	3LX	Knight, A. Stanley.	3PT	Cresger, E. Clark.
3EG	Snyder, James R.	3IE	Hasenfus, Joseph F.	3LY	Harris, William J.	3PU	Smith, Hubert B.
3EH	Powell, Edwin H.	3IF	Jacobson, Bernard H.	3LZ	McCullough, Earl N.	3PV	Bunting, Theodore R.
3EI	Kumler, Kelvin C.	3IG	Godfrey, Earle.	3MA	Downes, Marlboro K.	3PW	Fied, Harry P.
3EJ	Primrose, Donald L.	3IH	Johnson, Earle K.	3MB	Zettlemoyer, Leroy.	3PX	Howard, H. Trumbull.
3EK	Moore, Daniel D.		Eisele, Edward, jr.	3MC	Wolf, Henry S.	3PY	Torrist, Salvatore.
3EL	Frick, H. W. L.					3PZ	Griffith, Elmer G.
3EM	Beaty, Lehman C.						

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
3QA	O'Brien, Francis J.	3QE	Richards, Cliff R., jr.	3QI	Barnes, Donald K.	3QM	Varnes, Earl W.
3QB	Butterfield, Harold G.	3QF	Haig, J. Donald.	3QJ	Crowley, Robert H.	3QN	Zinszer, Harvey A.
3QC	Lanning, John M.	3QG	Landis, Harold O.	3QK	Adams, Leslie E.	3QO	Hake, Elias G.
3QD	Rynick, George M., jr.	3QH	Fusselman, John.	3QL	Tapley, Robert E.	3QP	Weber, Henry M.

FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
4AA	Bradberry, Alfred S.	4AJ	Moore, Victor W.	4AT	Ehle, Frank R.	4BD	Speight, Marshall C.
4AB	Funk, Arthur.	4AK	Whiting, Charles T.	4AU	Avera, W. W.	4BE	Fowler, Carl A.
4AC	Rice, Elmer L.	4AL	Bangs, Philip C.	4AV	Trelsback, Robert T.	4BF	Rankin, Robert G., jr.
4AD	Steinhauser, Elmer.	4AM	Sebastian, Lawrence F.	4AW	Crevasse, Joe N.	4BG	Stanton, Alvin G.
4AE	Flagg, John F.	4AN	Adams, George G.	4AX	Gordon, Clarence M.	4BH	Wikle, James R.
4AF	Stringfellow, Fred.	4AO	Swearingen, Thos. J., jr.	4AY	Moseley, Charles V.	4BI	Kres, Joseph W., jr.
4AG	Miller, Walter H.	4AP	Peer, Emmitt E.	4AZ	Dunk, Thomas R.	4BJ	Milam, Ralph L.
4AH	Jarvis, Parkhill O.	4AR	Marbury, Ralph E.			4BK	Simons, Mayrant.
4AI	Pope, Wilbur E.	4AS	Brandon, Beverly A.	4BB	Rankin, Robert G., jr.	4BL	Schoenwald, Byron B.

FIFTH DISTRICT.

[Headquarters: Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma and New Mexico.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
5AA	Knight, Eugene B.	5AL	Reboul, Theophile.	5AW	McNeil, Ernest W.	5BG	Asscherick, Aime.
5AB	Scalco, Joe R.	5AM	Brownell, Harold S.	5AX	Bonnecaze, Leonce, jr.	5BH	Vogler, Robert L.
5AC	Butwig, Gilbert C.	5AN	Watkins, Will O.	5AY	Harris, Russell S.	5BI	Harrison, Jackson W.
5AD	Rorschach, Harold E.	5AO	Buster, John A.	5AZ	Adler, Leonard E.	5BJ	Hanz, Harry W.
5AE	Jones, Ralph.	5AP	Thompson, Vance.			5BK	Layton, Roy W.
5AF	Meyer, William F.	5AQ	Goldstein, Henry R.	5BA	Toups, Roy N.	5BL	Marks, George M., jr.
5AG	Martin, Stanley.	5AR	Beynon, Eugene T.	5BB	Behre, Joseph C.	5BM	Hayes, James J., jr.
5AH	Martin, Ben W.	5AS	Bastian, Royal R.	5BC	Amerline, William H.	5BN	Sa-zer, Harry S.
5AI	Ratcliff, Fred.	5AT	Vickers, Alwyn.	5BD	Casey, Robert H., jr.	5BO	Geiger, Henry.
5AJ	Alterson, Clarence E.	5AU	Gallo, Louis.	5BE	Mollenhauer, Arthur E.		
5AK	Daly, Thomas J. M.	5AV	Mackie, William.	5BF	Bailey, Edward L.		

SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
6AA	Aster, Alvin K.	6GC	Hileary, Frank J.	6EC	Burnett, Walter.	6GD	Day, Elwin C.
6AB	Valentine, Philip C.	6CD	Peterson, Waiter.	6ED	Flinspach, J. Henry.	6CE	Gerlach, William G.
6AC	Capwell, Covert.	6CE	Kilto, Carl.	6EE	Griffin, Clyde S.	6CF	Farmer, Gordon.
6AE	Pinard, Vivian E.	6CF	McClatchy, Kelth.	6EF	Dawson, Percy.	6GG	Gildersleeve, Given.
6AF	White, Clarence E.	6CG	Harty, Courtenay E.	6EG	Atten, Arthur B.	6GH	Stricker, George H., jr.
6AG	Chamberlain, Leon H.	6CH	Hann, John K.	6EH	Hall, Edward.	6GI	Spelt, George S.
6AH	Kessell, James H.	6CI	Weber, Anton.	6EI	Young, Bert C.	6GJ	Gangh, H. E. F.
6AI	Moore, Ernest.	6CJ	Stowe, Theodore E.	6EJ	Bean, Arthur E.	6GK	Parkin, Miss Gadya K.
6AJ	Bean, James.	6CK	Kinsel, Charles M.	6EK	Elfer, Chrissie.	6GL	Van Aiken, George L.
6AK	Wright, John W.	6CL	Walters, Clarence.	6EL	Le Ferve, Eugene.	6GM	McPhail, Graham H.
6AL	Buckley, Ernest V.	6CM	Stock, Reinhold F.	6EM	Martin, Evan M.	6GN	Rose, George E.
6AM	Guidotti, W. F.	6CN	Storm, Hans O.	6EN	de Neuf, Emil A.	6GO	Goss, William.
6AN	Portal, Emile.	6CP	Lowe, William E.	6EO	Blake, Albert W.	6GP	Post, George W.
6AP	Brown, Victor.	6CQ	Hanson, Earl C.	6EP	Davis, Elwood.	6GQ	Magee, Clark.
6AQ	De La Cruz, George.	6CR	Potter, Lee R.	6EQ	Maier, Zacheus J.	6GR	Rucker, George A.
6AS	Soules, Ernest H.	6CS	Webber, Franklin.	6ER	Bailey, Cecil.	6GS	Swartout, Glenn.
6AT	Knowles, Raymond.	6CT	Seidel, William E.	6ES	Schaefer, Carl.	6GT	Timmermann, Gustave.
6AU	Clark, Paul.	6CU	Maskey, Franklin.	6ET	Fenner, Paul R.	6GU	Gurnett, Bernard A.
6AV	Mocker, De Forest.	6CV	Swinerton, Kenneth.	6EU	Rumble, Ernest.	6GV	Van Wagner, George.
6AW	Nosler, Claud E.	6CW	Lares, Herman.	6EV	Medaris, Eddie.	6GW	Werner, George W., jr.
6AX	Simney, Albert.	6CX	Frank, Carl G.	6EW	Zahniser, Charles L.	6GX	Williams, George F.
6AY	Tuggy, Arthur W.	6CY	Cooper, Charles P.	6EX	King, William E.	6GY	Watter, Gilbert.
6AZ	Downing, Alan S.	6CZ	Everard, Charles E.	6EY	Werner, Edward A.	6GZ	Edgar, George P.
		6DA	Brown, Ralph E.	6EZ	Christie, Edwin.		
6BA	Wadsworth, Claude E.	6DB	Henry, Ralph E.	6FA	Arnberger, Frank, jr.	6HA	Niver, Henry A.
6BB	Stevens, Russell.	6DC	Hibbard, Charles H., jr.	6FB	Faringer, Ernest.	6HB	Craig, Harold F.
6BC	Oldham, William G., jr.	6DD	Clark, Victor M.	6FC	Carey, Francis C.	6HD	Dickow, Henry.
6BD	Rogers, Stuart De Witt.	6DE	Curtis, Burbank.	6FD	Deardord, Francis H.	6HE	Eastling, Harvey.
6BE	Mitchell, John C.	6DF	Vogely, Herbert H.	6FE	Felt, Clarence J.	6HF	Fleener, Harry.
6BF	Powell, Meade W.	6DG	Patton, Nelson.	6FG	Granger, Floyd.	6HG	Dilberger, Harold A.
6BI	Williamson, Harry.	6DH	Grimes, W. Frank.	6FH	Fraser, Donald K.	6HH	Hollingsworth, Dale.
6BJ	Moore, Ezra.	6DI	Cookson, Howard A.	6FI	Barnum, Coit L.	6HI	McIntosh, Harold St.
6BJ	Berringer, Hall.	6DJ	Merritt, Lawrence G.	6FJ	Rankin, Walter.	6HK	Krauter, Howard R.
6BK	Frost, William H.	6DK	Westcott, Lawrence M.	6FK	Haneuf, Forrest E.	6HL	Linhof, Harold R.
6BL	Kather, Karl E.	6DL	Espe, Oliver E.	6FL	McNabb, Floyd R.	6HM	Mansfelt, Harold.
6BM	Godwin, Merle H.	6DM	Archer, Robert.	6FM	Morris, Fred W.	6HN	Helnz, Albert.
6BN	Ballerini, Melvin.	6DN	Barry, Gilbert.	6FN	Fones, Robert.	6HO	Olschfsky, Henry H.
6BO	Mattoon, Stanley F.	6DO	Strader, William F.	6FO	Peterson, Frank E.	6HP	Pampinela, Harold.
6BP	Bauer, Roy M.	6DP	Grundell, Herbert.	6FQ	Holt, Felix.	6HQ	Newton, Henry G.
6BQ	Baer, Charles M.	6DQ	Holmes, Joseph J.	6FR	Rodgers, Frank.	6HR	Royden, Herbert N., jr.
6BR	Manasse, Mervyn H.	6DR	Sandham, Bert E.	6FS	Short, Frank A.	6HS	Schade, Henry.
6BS	Davidson, G. E.	6DS	Adams, Charles C.	6FT	Wiese, Fred T.	6HT	Thayer, Halsey.
6BT	Rogers, Henry J.	6DT	Underwood, Ernest G.	6FU	Bergstrom, Bernard.	6HU	Unger, Harry J.
6BU	Hosmer, Merritt R.	6DU	Rigby, Townsend J., jr.	6FV	Brockett, Charles.	6HV	Ferrill, Herbert E.
6BV	Drake, Charles.	6DV	Prosser, Norman.	6FW	Wisner, Fred L.	6HW	La Barre, Harold J.
6BW	Hyde, Stanley E.	6DW	De Wald, Alfred.	6FX	Cross, Fred M.	6HX	Taylor, Howard L.
6BX	Barrett, Eldridge D.	6DX	Wheelock, Charls D.	6FY	Buell, Clarence R.	6HY	Ebeling, Hyde S.
6BY	Barstow, William R.	6DY	Beaman, David E.	6FZ	Uhl, Fred, jr.	6HZ	Hoffman, Harold.
6BZ	O'Neill, Frank M. J.	6DZ	Caldwell, Duncan K.	6GA	Garratt, Edward D.	6IA	Miles, Frederick F.
		6EA	Seefred, Howard C. and Lyndon F.	6GB	Rowlus, Glen H.	6IC	Austin, Russell F.
6CA	Corby, Grant W.			6GC	Hall, Gordon V.	6IE	Chambers, James.
						6IF	Farwell, Irvyn.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
6IG	Wallace, Edward.	6KY	Andrews, Harold S.	6NL	Horton, Stephen E.	6RU	Rowley, Burton H.
6IH	Hazleton, Ralph L.	6KZ	Beaver, Gerald A.	6NM	Edmiller, Charles H.	6RV	Francis, Ernest R.
6II	Ferguson, E. Franklin.			6NN	Nelson, Cyril B.	6RW	Weisbrod, Raymond H.
6IJ	Boehme, Herbert L.	6LA	B'ockman, Lawrence G.	6NO	Donaldson, Ernest S.	6RX	Gray, Harold G.
6IM	Matsuda, Fukuzo.	6LB	Barton, Larry J.	6NP	Wilson, J. Vernon.	6RZ	Riese, Paul E.
6IN	Knudsen, George.	6LC	Comins, Frank L.	6NQ	Francis, Ernest R.		
6IO	Buchanan, Roy J.	6LE	Anderlini, Louis.	6NR	Johnson, J. William	6SB	Bisson, Charles S.
6IQ	Cornell, Ezra R.	6LF	Lee, Daniel.	6NT	Selby, Charles J.	6SC	Schroder, Harold.
6IR	Irey, Earl R.	6LG	Alexander, Lee.	6NU	Adkins, Edward S.	6SD	Northon, Selden.
6IS	Sawyer, Irving W.	6LH	Gianini, Leo G.	6NV	Midgley, Roland.	6SE	Serex, John F.
6IT	Winship, Leslie W.	6LI	Hunt, Lloyd F.	6NW	Pressley, Jackson H.	6SF	Mack, Franklin.
6IU	McCleery, Ralph A.	6LJ	Isaacs, Louis R.	6NX	Calvert, Paul P.	6SG	Reiner, Rudolf.
6IV	Pierson, Walter.	6LK	Oimstead, William H.	6NY	Carroll, Elvin K.	6SH	Shippam, Cecil H.
6IW	Kreiss, Rudolph L.	6LL	McGargar, Lincoln.	6NZ	Emmerling, Herbert J.	6SI	Hoyt, Leander L.
6IX	McCreery, Maurice E.	6LM	Griffith, William M.			6SJ	Indart, Carl A.
6IZ	Leeper, Ernest W.	6LN	Martiniell, Lloyd.	6OJ	Spencer, Oscar J.	6SK	Skaale, Arthur J.
6JA	James, Charles V.	6LO	Van Cleave, Louis V.	6OS	Schneidemantel, Oscar A.	6SL	Leach, Stanley P.
6JB	Brown, Julian T.	6LP	Lory, C. S.	6OT	Otto, Harry F.	6SM	Smith, Hazel P.
6JC	Chase, John H.	6LQ	Gray, Clifford.	6OW	Welling, Orville E.	6SN	Sunderland, Arthur G.
6JD	Battle, John W.	6LR	Lowe, Sam K.	6OY	Oyarzo, Ben.	6SO	Bunting, Howard S.
6JE	Welsch, John E.	6LS	Guenther, Leo H.	6PA	Pattison, Alexander.	6SP	Peck, Sherman.
6JF	Forsberg, Joe A.	6LT	Smelser, Laurel J.	6PB	Bradley, Phillip L.	6SS	Fonseca, Arthur.
6JG	Gould, Gordon.	6LU	Downs, LaRoy.	6PC	Bekeart, Philip K.	6SR	Russell, Solon Y.
6JH	Berry, Charles A.	6LV	Hoffman, Lucien C.	6PD	Pridham, Bertrand.	6ST	Morrow, James W.
6JI	Jackson, Chester M.	6LW	Passage, Raye L.	6PE	Rogatsky, Carl H.	6SU	Evans, Bryan.
6JJ	Jessup, John H.	6LX	Phelps, Allen G.	6PF	Allen, Preston D.	6SV	Sutherland, C.
6JK	Klemgard, James G.	6LY	Bedlin, Latham.	6PG	Gillmore, Purcell.	6SW	Verney, Stanley S.
6JL	McGiffin, James.	6LZ	Larley, Willie A.	6PH	Levinson, Charles A.	6SX	Anderson, Elroy E.
6JM	Michaels, Joe E.		Slaght, Edward L.	6PI	Hyndman, Elmore.		Smith, Jesse A.
6JO	Johnson, Clarence N.	6MA	Max, Charles A.	6PJ	Donald, Byron C.	6TA	Thompson, Harold P.
6JP	Richardson, Leslie	6MB	Baden, Merle L.	6PK	Kyes, Percy L.	6TB	Boudnot, Truman E.
6JQ	Valentin, H.	6MC	McGown, Dudley B.	6PL	Reilly, John P.	6TC	Fisher, Thomas A.
6JR	Stauffer, John.	6MD	Davids, Mark.	6PM	Bolton, Harold B.	6TD	Phelps, Carl A.
6JS	Silvershield, Bernhard	6ME	Wilson, Maurice E.	6PN	Pearson, Harry.	6TE	Eisenbuth, Thomas V.
6JT	Tibbitts, Jonathan C.	6MF	Aymar, Clarence A.	6PO	Drath, Walter J.	6TH	Hail, Thomas C.
6JU	Fisher, Jack.	6MG	Gindemann, Melvora.	6PP	Mora, Frank S.	6TS	Schneider, Tony.
6JV	Paul, Jack.	6MH	Hamilton, Martin E.	6PQ	Harvey, George C.	6TT	Tournat, Thomas.
6JW	Gastman, Henry.	6MI	Mirsky, Sylvan L.	6PR	Preston, Alva W.	6TU	Turner, Forest B.
6JX	Riley, William M.	6MJ	Jones, Myron A.	6PT	Nulsen, William B.		Creswell, Frank, jr.
6JY	Browne, G. R. A. jr.	6MK	Phillips, Manuel.	6PU	Lodge, Albert.	6VF	Falk, Victor H.
6JZ	Charters, John E.	6ML	Nichols, Myrwood.	6PV	Czapkay, Edward.	6VK	von Konigsberg, Charles.
		6NM	McKay, Malcolm.	6PW	Weymouth, Percy E.	6VW	Hancock, Hays D.
		6NN	Maher, Edward T.	6PX	Wellsch, Louie.		
		6MO	Moore, Paul.	6PY	McCullough, Harold.	6WA	Anthes, William F., jr.
		6MP	Saverke, William T.	6QW	Waters, John E.	6WB	Booth, Wilber.
		6MQ	Zangrart, Thomas J.	6RA	Brandt, Robert L.	6WC	Cornish, Warren D.
		6MR	McRoberts, Lewis H.	6RB	Brunter, Ralph.	6WD	Hensley, Will.
		6MS	Carson, E. A.	6RC	Cook, Ralph.	6WE	Weddell, Clarence C.
		6MT	Voigt, Raymond H.	6RD	Hogaboom, Raymond.	6WF	Ford, Walter B.
		6MU	Murray, Donald W.	6RE	Esplen, Elmer R.	6WG	Strong, William.
		6MV	MacMullen, Gerald.	6RF	Frier, Robert L.	6WH	Hill, William F.
		6MW	Wood, Melvin S.	6RG	Downs, Robert.	6WI	Cusick, William.
		6MX	Magill, Clyde.	6RH	Hare, Ralph M.	6WJ	Bechtel, Warren.
		6MY	Johnston, Robert.	6RI	Richman, Clinton.	6WK	Koerber, Walter A.
		6MZ	McKimmis, Mark.	6RJ	Jones, Russell B.	6WL	Leland, Wallace H.
				6RK	Kerns, Roy.	6WM	Morse, Willard A.
		6NB	Neumann, Edward R.	6RL	Wiley, Ralph W.	6WN	Kelly, W. N.
		6NC	Smith, Norman E.	6RM	McLaughlin, Richard A.	6WO	Malford, Walter F.
		6ND	Breck, P. B.	6RN	Norton, Russell.	6WP	Donelson, William E.
		6NE	Newbould, C. Percy.	6RO	Boussin, Cecil.	6WR	Biger, Anson S.
		6NF	Hillier, H. H.	6RP	Pittman, Roy F.	6WS	Schneider, William P.
		6NG	Gerlach, Leonard.	6RQ	Richardson, Charles, jr.	6WU	Wulbern, Henry.
		6NH	Van Liew, Samuel C.	6RR	Waterman, Russell R.	6WV	Williams, Creah.
		6NI	Nilli, Emil.	6RS	Ferichs, Roy.	6WW	Webb, Walter R.
		6NJ	Cunningham, Edward J.	6RT	Cornish, L. R.	6WY	Young, William H.
		6NK	Roehrig, Russell S.				

SEVENTH DISTRICT.

[Headquarters: Customhouse, Seattle, Wash. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
7AA	Skyles, Theron G.	7CB	Bennett, Cecil H.	7GW	Wilson, George D.	7ME	Elliott, Morton W.
7AB	Anderson, A. Fred S.	7CF	Farrar, Clyde.	7HB	Breum, Helmer O.	7MG	Gable, Mark H.
7AC	Dailley, Arthur C.	7CG	Gillespie, Charles R.	7HD	Davis, Hubert A.	7WH	Middlekauff, Mark H.
7AD	Douglas, A. Fred E.	7CH	Hansen, Carl L.	7HH	Hayden, Harold.	7MI	Minter, John W.
7AE	Thomas, Edward J.	7CL	Law, Charles J.	7HJ	Hursh, Harold H.	7MM	Mathison, Martin J.
7AF	Scrutton, Gerald.	7CP	Peterson, C. Edward.	7JH	Jones, Henry L.		
7AG	Moe, George.	7CS	Snyder, Claude E.	7JP	Price, Howard S.	7ON	Nicholson, W. Otto.
7AI	Johnson, Clifford E.			7KS	Slocum, Herbert R.	7PK	Kemp, Philip.
7AJ	Sorensen, Chester J.	7DJ	John, D. Morris.	7HS	Winningham, Harold.	7PR	Robinson, Philip F.
7AK	Koester, Alpha M.	7DM	Munkier, Darrell.				
7AL	Hansen, Arnold.	7DS	Shingler, Don G.	7IN	Nelson, Ivan L.	7RA	Soderstrom, George.
7AM	Meehan, Andrew.			7IO	O'Donoghue, Ivan.	7RB	Wormington, Ralph V.
7AN	DeLoof, Ralph E.	7EH	Lynch, Edward H.			7RC	Mood, George T.
7AO	Piercy, Russell H.	7EL	La Pine, Earl.	7JB	Blanchett, James J.	7RD	Montgomery, Jack H.
7AP	Crosley, Jack.	7EP	Petersen, Edward T.	7JC	Colesworthy, Joseph B.	7RE	Nitschke, Erville W.
7AQ	Holm, Paul E.	7ES	Schurich, Edward C.	7JF	Folen, Jonas H.	7RO	Grant, Robert E.
7AR	Root, Dellmar A.			7JH	Holt, John M., jr.		
7AS	Bird, Lester F.	7FC	Colt, Fayette E.	7JJ	Johnson, Joseph E.	7SN	Norman, Stacy W.
7AT	Bennett, Henry.	7FD	Houm, Frank E., jr.	7JM	McHain, John A., jr.	7SW	Swan, Emil.
7AU	Jerome, Frank J.	7FE	Mayer, Fred J.	7JO	Methven, John H.		
7AV	Root, Charles W.	7FF	Hyatt, Francis M.	7JP	Wilson, John C.	7TH	Hakanson, Thor.
7AW	Meals, Owen E.	7FW	Lee, Emery H. I.			7VS	Small, Vincent.
7AX	Simson, A. Gall.			7KP	Pennebaker, Kenneth T.		
7AY	Pohl, Bertrand.	7GB	Butterfield, George H.	7LC	Connell, Lorne L.	7WG	Gothchius, Walter L.
7AZ	Warner, Archie E.	7GC	Henny, George C.	7LL	Lennard, Lloyd P.	7WL	Lester, Warren C.
		7GG	Stamey, Gray G.	7LN	Nagle, Leo W.	7WM	Moses, William.
		7GH	Hess, George F.	7LR	Ross, Lindsley W.	7WR	Rogers, Wilber L.
		7GJ	Johnson, Gale H.	7LU	Ludgate, Wallace G., jr.	7WS	Sparrow, William I.
		7GM	Moore, Gale L.				
7BA	Elbon, Jennings.	7GS	Sturley, G. W. F., jr.				
7CA	Spork, Carl.						

EIGHTH DISTRICT.

[Headquarters: Customhouse, Cleveland, Ohio. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio and Michigan (Lower Peninsula).]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
8AA	Anderson, Sidney E.	8CD	Sachs, Gus.	8EG	Gebhard, Louis A.	8HF	Shaney, Aubrey A.
8AB	Barr, Forrest L.	8CE	Adler, Jerome.	8EH	Grove, Nelson B.	8HG	Schardt, Earl M.
8AC	Beelaere, Lawrence.	8CF	Hull, Guy McC.	8EJ	Kolb, Edwin H.	8HH	Schoren, William E.
8AE	Berndt, William F.	8CG	Hull, Ralph.	8EK	Kumpf, Elmer H.	8HK	Spiller, Archibald G.
8AF	Brewer, George S.	8CH	Paul, James T.	8EL	Langenbach, Leo.	8HL	McCamon, Aurel.
8AG	Broome, Donald.	8CI	Richards, Theodore D.	8EM	Murphy, John V.	8HM	Lucas, Howard E.
8AH	Brown, Edward H.	8CJ	Andrews, William S.	8EN	Shepard, Charles A.	8HN	Selnske, Louis.
8AI	Charlton, Arthur F.	8CK	Smith, Roland C.	8EO	Stickney, Richard W.	8HO	Holt, George W.
8AJ	Clough, Bert E.	8CL	Smith, G. C.	8EQ	Leighton, Clifford R.	8HP	Wilder, John H.
8AK	Cowell, Howard U.	8CM	Thorn, Thomas H.	8ER	Wells, R. Stuart.	8HR	Schouman, Hazen.
8AL	Converse, Frank S.	8CN	Sheppard, Hamilton W.	8ES	Van Hoesen, Claude L.	8HS	Berry, L. Mack.
8AM	Cornell, Merle H.	8CO	Sherrill, Alvin C.	8ET	Goettel, Edward V.	8HT	Romzick, Lawrence.
8AN	Davis, Frank.	8CP	Baker, Norman E.	8EU	Carson, William J.	8HU	Faroo, Glenn.
8AO	Deighan, Edward I.	8CQ	Brede, Erwin F.	8EV	Mason, Carl D.	8HV	Denniston, Harry J.
8AP	Dorsch, George.	8CR	Cook, Wilbur E.	8EW	Rubel, Henry M., jr.	8HW	Wellington, Vernon D.
8AR	Ela, Edward C.	8CS	Howland, Dean W.	8EX	Henlein, Carl A.	8HX	White, Chester A.
8AS	Feightner, Amos E.	8CT	Kreinbring, Walter F.	8EY	Blackmore, Andrew H.	8HY	Marshall, Floyd W.
8AT	France, William.	8CU	Smith, Arthur R.	8EZ	McConaughy, Mary Allo		
8AU	Frost, Harry E.	8CV	Smith, Lewis A.			8IA	Bolton, Frederick R.
8AV	Fullwood, William R.	8CW	Osborn, Burr K.	8FA	Fender, Clinton H.	8IB	Mielke, Carl E.
8AW	Gogel, Adebert J.	8CX	Phippeny, Forrest J.	8FB	Britney, Dudley R.	8IC	Hill, Charles C., jr.
8AX	Gentzsch, Leonard H.	8CY	Payne, Arthur F.	8FC	Hodson, Ira S.	8ID	Norris, George H.
8AY	Grosse, Frederick W.	8CZ	London, Henry.	8FD	Walker, Carl.	8IE	Cross, Gormah L.
8AZ	Hansen, Edmund H.			8FE	Finch, Brent S.	8IH	Marks, Theodore.
		8DA	Rathbun, Hugh T.	8FF	Kloepfer, Jay.	8II	Steim, L. Harold.
8BA	Hiller, Herbert A.	8DB	Felows, Bernard D.	8FG	Hewitt, Charles P.	8IJ	Diederich, Paul E.
8BB	Higbee, Glenn A.	8DC	Reb, Frank.	8FH	Haynes, William.	8IK	McLion, J. H.
8BC	Holt, Nelson E.	8DD	Watts, Felix J.	8FI	Burger, Richard W.	8IL	Williams, Burton P.
8BD	Hoch, Eillery T.	8DF	Orrell, Robert W.	8FJ	Clausing, Leroy.	8IM	Nichols, D. A.
8BE	Lippert, John P.	8DG	Bremer, Edmund.	8FK	Doneho, Gray G.	8IN	Miler, Kenneth.
8BF	Jarvis, Roy.	8DH	Barton, Charles E.	8FL	Jenkins, William E.	8IO	Roe, Howard L.
8BG	Kastenberg, Paul.	8DI	Phillips, Glenn.	8FM	Olsen, Milton E.	8IP	Trotter, Robert J.
8BH	Kingsbury, Kenneth.	8DJ	Whitmoyer, Ralph.	8FN	Toland, Gerald.	8IQ	Richard, Roy H.
8BI	Kroeger, Gustav.	8DK	Slisson, William A.	8FO	Snyder, Norman G.	8IR	Miller, Arthur P.
8BJ	Kraus, Norman M.	8DL	Bruns, Carl H.	8FP	Snyder, Norman G.	8IS	Middleton, Charles.
8BK	Lyons, Henry E.	8DN	Knappen, Bert.	8FQ	Remorino, L. jr.	8IT	Cross, Gormah L.
8BL	Morgridge, Clarence J.	8DO	Wright, Claude B.	8FR	Brownell, Elmer.	8IU	Clarke, Andrew W.
8BM	Ogle, Harry B.	8DP	Lane, John C.	8FS	Wheat, G. F. Roy.	8IV	Scott, Gail.
8BN	Menges, William E.	8DQ	Wood, Corian C.	8FT	Spargo, James A., jr.	8IW	Wilson, Mark E.
8BR	Miner, Simeon.	8DR	Holmes, Charles E.	8FU	Blattner, E. Herman.	8IX	Newman, Arthur J.
8BO	Macer, Arthur J.	8DS	Moynehan, Roy D.	8FW	Whitehead, D. R.	8IY	Swain, Herbert N.
8BQ	Lapp, Robert E.	8DT	Rogers, Grant.	8FV	Backus, Harry F.	8IZ	Steinman, Dwight H.
8BP	Leyh, Edward L.	8DU	Downing, Harry E.	8FZ	Bennett, Edward J.	8JA	Gunn, Ross.
8BS	Lueschen, C. D. G.	8DV	Cobb, Rupert.	8GD	Donnelly, John J.	8JB	Beare, George L.
8BT	Lovejoy, Julian.	8DW	Anger, Charles O.	8GH	Gekler, Truman J.	8JC	Schoenhen, Edwin B.
8BU	Allonier, Howard R.	8DX	Porter, Harry T.	8GI	Green, Harold L.	8JD	Hoiser, Ernest J.
8BV	Gale, Roy H.	8DY	Pancoast, Donald F.	8GJ	Henninger, Alan E.	8JE	Twitcheil, Herbert D.
8BW	Herman, Harold.	8EZ	Williams, Homer.	8GK	Horn, Herbert E.	8JF	Pleckenpol, Ernest.
8BX	Hubbel, Aaron W.	8EA	Mack, Clifford J.	8GS	Kneale, C. Kewley.	8JG	Lord, Donald M.
8BY	Schwindt, Herman J.	8EB	Munsell, Robert S.	8GU	Loehr, George E.	8JH	Edwards, C. Beaver.
8BZ	Shumard, Asbury.	8EC	Dunn, Frank L.	8GV	Moffet, Floyd E.	8IJ	Jackson, Cotesworth M.
		8ED	Carver, Alfred J.	8GX	Pentland, Henry B.	8IL	Appleton, Francis W.
8CA	Stueve, Everett S.	8EE	Co'man, Clarence E.	8GZ	Probeck, John.	8IM	Saunders, Norman W.
8CB	Thiessen, H. F. W.	8EF	Dorst, Edward.	8HB	Poberts, Hayden P.	8IN	Hoves, Stanley L.
8CC	Kesel, George.					8IO	Little, Donald G.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota and North Dakota.]

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
9AA	Klentz, Clarence.	9AY	Quinby, Porter H.	9BV	Van S'yeck, Wellington.	9CS	Ragan, Tate V.
9AB	Groskopf, William L.	9AZ	Gerhard, George J.	9BW	Reinhardt, William.	9CT	Wember, Anthony A.
9AC	McChuffage, William J.			9BX	Hantzsch, Ralph E.	9CU	Hieronymus, Thomas G.
9AD	Bryan, Stanley C.	9BA	Smith, Paul C.	9BY	Kenan, Richard C.	9CV	Hamilton, Leo L.
9AE	Gundlach, Waldo L.	9BB	Mattenheimer, Ervin B.	9BX	Van Deusen, Arthur S.	9CW	Egloff, Martin F.
9AF	Hollister, Harold A.	9BC	Thesling, Herman.			9CX	Haynes, Roy.
9AG	Marx, Gustav A.	9BD	Keeler, Fayette W.	9CA	Norene, Raymond E.	9CY	Wooster, Stanley W.
9AH	Thomas, Carroll W.	9BE	Myers, Delbert.	9CB	Lester, Curtis M.	9CZ	Joyce, Raymond A.
9AI	Cutting, Irving E.	9BF	Afanasiw, Nick.	9CC	Pierson, Oscar E.	9DA	Berger, Frank G.
9AJ	Siegel, R. C.	9BG	Connell, John F.	9CD	Moore, Vene.	9DB	Knotts, H. J. E.
9AK	Kottler, C. F.	9BH	Miller, R. Boyce.	9CE	Hansen, Leland H.	9DC	Wanner, Theodore L.
9AL	Schroeder, William.	9BI	Jens, Elmer.	9CF	Anderson, Adolf G.	9DD	Thesner, Frank.
9AM	Foster, Edwin J.	9BJ	Chapin, Edwin C.	9CG	Mahan, Joe R.	9DE	Jensen, Arnold L.
9AN	Willett, Charles J.	9BK	Clemons, G. H.	9CH	Riggin, Benjamin A.	9DF	Dangerfield, Alfred H.
9AO	Lipman, Theodore E.	9BL	Ferine, W. B.	9CI	Johnson, August K.	9DG	Hilgenberg, Noble
9AP	Morgan, Hiram.	9BM	Shively, Roy J.	9CJ	Harr, Charles.	9DH	Kuehnan, Irwin C.
9AQ	Riner, John A.	9BN	Flynn, John H., jr.	9CK	Lower, Meredith B.	9DI	Cottrell, W. Roscoe.
9AR	Hines, Gene.	9BO	Fry, Claud.	9CL	Whitaker, Harold P.	9DJ	Biltonen, William A.
9AS	Billister, Royal D.	9BP	Getzke, Richard.	9CM	Klicpera, Milhart F.	9DK	O'Neil, Donald H. C.
9AT	Stetson, Donald T.	9BQ	Nelson, Eddie.	9CN	Cobb, Merle.	9DL	Goddell, Myron L.
9AU	Taylor, Thomas J.	9BR	Moore, Robert R.	9CO	Bantz, Russell.	9DM	Ziesenis, Harry.
9AV	Hamel, Walter H.	9BS	Jorgenson, Harold.	9CP	Held, William J.	9DN	Sears, Charles L.
9AW	Stewart, Albert H.	9BT	Duquette, Herbert E.	9CQ	Weyant, James E.	9DO	Snyder, W. Roy.
9AX	Fowler, Harry A.	9BU	Brown, Clarence L.	9CR	Buehner, Howard.	9DP	Clark, Bayard H.

SPECIAL STATIONS.

This list consists of stations of the experimental, technical and training school, and special amateur grades.
ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Name of station.	Classification.	Call signal.	Name of station.	Classification.
1XA	Amesbury, Mass.	c	4XG	Key West, Fla.	c
1XB	Boston, Mass.	c	4XL	Savannah, Ga.	c
1XC	Chelsea, Mass.	c	5ZD	Charleston, S. C.	c
1XH	Boston, Mass.	c	4YC	Memphis, Tenn.	c
1XI	Gloucester, Mass.	c	6XC	Oakland, Cal.	c
1XP	Cambridge, Mass.	c	6XL	Los Angeles, Cal.	c
1XW	Watchaug Pond, R. I.	c	6XR	Berkeley, Cal.	c
1YH	Cambridge, Mass.	c	6XT	Oakland, Cal.	c
1ZO	New Bedford, Mass.	c	6YE	Oakland, Cal.	c
2XD	Slingerlands, N. Y.	c	6YL	Los Angeles, Cal.	c
2XH	New York, N. Y.	c	6YS	San Diego, Cal.	c
2XN	New York, N. Y.	c	8XA	Ann Arbor, Mich.	c
2ZH	Nutley, N. J.	c	8YD	Detroit, Mich.	c
3XC	Philadelphia, Pa.	c	9XB	Beloit, Wis.	c
3XJ	Philadelphia, Pa.	c	9XD	Valparaiso, Ind.	c
3XR	Hyattsville, Md.	c	9XH	Kansas City, Mo.	c
3ZD	Riverdale, Md.	c	9YC	St. Louis, Mo.	c
3ZH	Washington, D. C.	c	9YI	Ames, Iowa.	c
3ZR	Baltimore, Md.	c	9YN	Grand Forks, N. Dak.	c
3ZS	St. Davids, Pa.	c	9ZE	Minneapolis, Minn.	c
4XA	Atlanta, Ga.	c			

LIST OF AMATEUR RADIO STATIONS.

CALLS ALLOTTED BY THE WIRELESS ASSOCIATION OF AMERICA.
Where no watt ratings appear, the station is for receiving only.

Call	Owner of Station	Watts	Call	Owner of Station	Watts
AA	Anthony, H. M., Cambridge, Mass.		CI	Capron, C. M., Odensburg, N. Y.	
AB	Brockmeyer, E. W., St. Louis, Mo.		CJ	Welty, C. W., Pandora, Ohio.	
AC	Burgoyne, Ashby, Maysville, Ky.		CK	Cable, W. G., East Toronto, Ontario, Canada.	550
AD	Buhlman, C. F., Allendale, N. J.		CL	Clair, J. M., Niagara-on-the-Lake, Ontario, Canada.	
AE	Hapeman, A. E., Waterbury, Conn.		CM	Chorpenning, C. M., Connellsville, Pa.	550
AF	Brown, Harold, Waterville, Me.		CN	Cook, Fred G., Callicoon, N. Y.	
AG	Belcher, E. H., Austin, Tex.		CO	Copp, Leonel, Woifeboro, N. H.	550
AH	Allimares, Henry, Long Island City.		CP	Cabezola, E. F., jr., Bayonne City, N. J.	60
AI	Bland, Chester E., Mattoon, Ill.	40	CQ	Cook, J. W., Brunswick, Me.	550
AJ	Abbot, E. B., jr., Vineland, N. J.	40	CR	Carlson, H. W., Chicago, Ill.	
AK	Belmisch, E. A., Cedarburg, Wis.		CS	Christensen, W., Kansas City, Kan.	1,000
AL	Boyter, J. C., Alameda, Cal.	30	CT	Chelios, Thos., Toledo, Ohio.	
AM	Martins, A., Mayville, Wis.		CU	Compton, Robt., Augusta, Ill.	
AN	Hancock, A. E., Austin, Tex.	550	CV	Corthaus, A., Milwaukee, Wis.	80
AO	Higgy, Robert C., Lima, Ohio.	50	CW	Corby, Grant W., Los Angeles, Cal.	
AP	Wainwright, A. M., Baltimore, Md.		CX	Currie, F. T., Douglas, Ga.	500
AQ	Quade, A. M., Lawrence, Mass.		CY	Fry, C. D., Des Moines, Ia.	20
AR	Mabry, Hamilton, Albion, Ia.	150	CZ	Fleming, Bruck, Columbus, Ohio.	
AS	Anderson, Oscar, Chicago, Ill.		DA	Davis, Hubert A., Seattle, Wash.	550
AT	Archer, Fred, Harvey, Ill.		DB	Deal, Vernon, Hoopston, Ill.	
AU	Andruss, A. E., Irvington, N. J.	500	DC	Dyson, John H., Fall River, Mass.	
AV	Burns, Alex., Fall River, Mass.		DD	Doron, Shuley W., Hamilton, Ohio.	2,050
AW	Fletty, Geo. F., jr., Baltimore, Md.		DE	Dement, E. B., San Jose, Cal.	
AX	Burberry, C. D., Centerville, Ky.		DF	Davidson, Percy, Keosauqua, Ia.	20
AY	Dingman, A., Van Ness, N.Y.	20	DG	Dice, M. M., Brooklyn, N. Y.	
AZ	Burgess, S. L., Barre, Vt.	250	DH	Dalton, Raymond Q., Chicago, Ill.	550
BA	Bibber, H. W., Gloucester, Mass.	100	DI	De Frees, Hartford, Mich.	12
BB	Bruns, Carl H., Toledo, Ohio		DJ	Davis, Donald W., Montrose, Colo.	
BC	Blackmore, A. H., Cincinnati, Ohio.	550	DK	Davis, Percy E., Berkeley, Cal.	
BD	Bechtold, Wm., Chicago, Ill.		DL	Doscher, Richard, Glen Head, L. I.	
BE	Barnes, C., Worcester, Mass.	20	DM	Du Mez, Benj., Holland, Mich.	550
BF	Benjamin, C., Clyde, N. Y.		DN	Deibel, Louis C., jr., St. Louis, Mo.	
BG	Bennett, E. J., Cleveland, Ohio.		DO	Darrow, Louis, Washington, D. C.	
BH	Bowmann, G. L., Reinholds, Pa.	1,000	DP	Donald, A. M., Mahon, Nova Scotia, Canada.	
BI	Barr, R. H., Lancaster, Pa.		DQ	Gleason, Jerome K., Bay Shore, N. Y.	
BK	Baldwin, J. G., Hope, N. D.	1,000	DR	Phipps, D. A., Oyster Bay, L. I.	20
BL	Bindell, Louis, Ft. Dodge, Ia.		DS	Arassiz, Dudley, Tacoma, Wash.	
BN	Bloxham, V., Etna, Green, Ind.		DT	Blen, G. G., Van Wert, Ohio.	
BO	Bulckett, Maxwell, Montclair, N. J.	550	DU	Butcher, H., Camden, N. J.	
BP	Bolstad, A., Seattle, Wash.		DV	Hudson, David V., Montreal, N. C.	20
BQ	Bundy, Orall, Bruce, Ill.			N. C.	20
BR	Braaton, I., Northfield, Minn.		DW	Hudson, David V., Montreal, N. C.	
BS	Brooks, H. L., Elmira, N. Y.		DX	Hill, Dolph, Petaluma, Cal.	1,000
BT	Brinkmier, R. J., Wheeling, W. V.	550	DY	Biron, Carl H., Otisfield, Mass.	550
BU	Braunstein, W. P., Union Hill, N. J.		DZ	Penfold, C. R., Bronx, N. Y.	40
BV	Boulton, A. H., E. Liverpool, Ohio.		EA	Reichenbach, E. K., West Orange, N. J.	
BW	Burrow, W. A. L., Teague, Tex.		EB	Bahlidge, E. E., Greenport, L. I.	20
BX	Borner, W. J., New York City.	550	EC	Bauer, Edw. R., Chicago, Ill.	20
BY	Black, R. E., Brookville, Pa.	30	ED	Dynner, Eugene, Guttenberg, N. J.	
BZ	Besold, John, New York City.		EE	Gall, L. G., Springfield, Mo.	30
CA	Charlton, A. F., Cleveland, Ohio.	50	EF	Rockefeller, A. F., Boston, Mass.	20
CB	Nock, H. K., North Attleboro, Mass.	10	EG	Rudolph, Lothar, Milwaukee, Wis.	
CC	Carr, Marion, Sumter, S. C.		EH	Easton Wireless Co., Bellingham, Wash.	20
CD	Branscombe, C. R., St. John, N. B. Canada.	20			
CE	Cosgrove, Fred, Taunton, Mass.				
CF	Chase, F., Paterson, N. J.	20			
CG	Cox, Geo., Callowhee, N. C.	550			
CH	Cosgrove, Maynard, Sylvania, Ohio.	40			

Call	Owner of Station	Watts	Call	Owner of Station	Watts
EI	Electro Importing Co., New York City. Test Station.		HX	Herr, Harry J., Richland, Oregon.	
EJ	Fish, Edward, Middletown, N. Y.	500	HY	Hathaway, Bunner, Nutley, N. J.	80
EK	Gray, E. E., Little Campton, R. I.		HZ	Hunnicutt & Howard, Atlanta, Ga.	2,000
EL	Robertson, Will B., St. Louis, Mo.		IA	Beasley, Ira, Lakewood, Ohio.	500
EM	Horiacher, Elmer, Dayton, Ohio.	20	IB	International W. Sig. Co., West New York, N. J.	550
EN	Michaelovitz, David, Brooklyn, N. Y.	20	IC	Bahls, Otto, New York City	550
EO	Wolfe, Ed. M., jr., Oakland, Cal.	550	ID	Holmes, George, New York City	40
EP	Popsil, E., Minsk, L. I., N. Y.	30	IE	Hillman, Eugene, Collingswood, N. J.	20
ER	Rodrig, W. H., East Cleveland, Ohio.		IF	Henege, Chas. A., Indianapolis, Ind.	20
ES	Eriksen, Elwood, San Francisco, Cal.		IG	Huebner, Curtis, Rutherford, N. J.	250
ET	Remorino, L. J., Gloversville, N. Y.		IH	Harry, Charles, Houghton, Mich.	12
EU	Richards, E., jr., Tuxedo Park, N. Y.		II	Hassler, L. O., Cleveland, Ohio.	20
EV	Reim, Otto, Minneapolis, Minn.		IJ	Hiller, Chas., Cleveland, Ohio.	
EW	Roberts, Edwin W., Haddonfield, N. J.	550	IK	Irion, Clarence, Denver, Colo.	
EX	Reinke, Karl L., Chicago, Ill.	1,000	IL	Irwin, D. A., Wallace, Cal.	
EY	Rakestraw, Chas. E., jr., Wildwood, N. J.	550	IM	Burstein, Moses B., Imperial, Cal.	
EZ	Rauch, Geo. A., Little Rock, Ark.	60	IO	Irwin, F. C., Cuyahoga, Pa.	
FA	Fraser, Homer W., New Glasgow, N. S., Canada.		IP	Isak, E. R., Eureka, S. D.	1,000
FB	Fuss, Chester, Little Valley, N. Y.		IQ	Isreal, Mortimer, Brooklyn, N. Y.	
FC	French, Edward, Peekskill, N. Y.	1,000	IR	Pennell, Leon, Brockton, Mass.	20
FD	Fallain, F. D., Flint, Mich.		IS	McCudry, Mal., Ft. Worth, Texas.	
FE	Freeman, Elmer Nordhoff, Cal.	100	IT	Morgan, Wilbur, Ogden, Iowa.	
FF	Fahrbach, Edw. J., Menasha, Wis.		IU	Moran, Leon S., Plainfield, N. J.	
FG	Felker, Leon E., Madison, Mo.		IV	McCandless, Howard, Tacoma, Wash.	550
FH	Heindling, Frank, New York City.		IW	Young Men's Christian Association, Santa Cruz, Cal.	
FI	Nelson, C. F., Dennison, Ohio.		IX	McBride, Leon G., Englishtown, N. J.	
FJ	Hill, Ernest, Webb City, Mo.	1,000	IZ	Morse, Finley, Gifford, Ill.	
FK	Wood, F. W., La Jolla, Cal.			Morsello, Frank, Philadelphia, Pa.	
FL	Ludwig, Fred N., Algona, Ia.	12		McAllister, Claud H., Old Saybrook, Conn.	
FM	Fried, Jos. D., New York City.		JA	Johnson, T., jr., Woodside, N. Y.	
FN	Nattermuller, F., Middletown, N. Y.	20	JB	Jens, Elmer, Davenport, Ia.	
FP	Hutch, Wm. M., Port Washington, N. Y.	550	JC	Joseph, Glenn H., Tuscola, Ill.	
FQ	Hollubor, Joe H., Helena, Mont.		JD	Jacobsen, Martvig, Brooklyn, N. Y.	
FR	Harvey, J. E., Youngstown, Ohio.		JE	Jamison, Wm. C., Sullivan, Ind.	
FS	Hornberger, R. G., Barborton, Ohio.		JF	Johnson, Arthur F., Salt Lake City, Utah.	
FU	Hanselman, Wm. H., Philadelphia, Pa.		JG	Jensen, Arthur, Chicago, Ill.	
FV	Hale, E. E., Riverside, R. I.		JH	Jansson, Theodore E., jr., Rochester, N. Y.	20
FW	Harris, Clarence, Pittsford, Mich.	10	JI	Jensen, L. E., Philadelphia, Pa.	
FX	Hammond, Willie T., Byron, Cal.		JJ	Johnston, James E., Bronx, N. Y.	20
FY	Hartman, George, California, Ohio.	20	JK	Kallaus, Kurt, Milwaukee, Wis.	40
FZ	Hill, Hamlin, Austin, Tex.		JL	Jaeger, C. L., Mahwah, N. J.	
GA	Greathhead, Carrull D., Norfolk, Va.	100	JM	Johnru, Arthur F., Salt Lake City, Utah.	
GB	Grates, John, Redlands, Cal.	100	JN	Kaiser, Jake, Long Island City.	1,000
GC	Hunderson, Clarence, Albert Lea, Minn.	12	JO	Mans, J. C., jr., Jennings, La.	
GD	Gleason, Clavie K., Enosburg Falls, Vt.		JP	Arnold, J. F., Bronx, N. Y.	550
GE	Slade, G. S., Middletown, N. Y.	10	jq	Quinn, James J., jr., Atlantic City, N. J.	
GF	Allen, Geo. H., Waltham, Mass.	20	JR	Razensky, J. I., Brooklyn, N. Y.	8
GH	Fackrell, G. O., Hickman, Cal.		JS	Blothe, J. H., Troy, Ohio.	10
GI	Baer, Chas. A., jr., Brooklyn, N. Y.		JT	Corlew, J. H., Sorent, Ill.	
GJ	Brown, Geo. G., Brooklyn, N. Y.	550	JU	Doran, James H., Bismarck, N. D.	1,050
GK	Freiland, Harry, Jersey City, N. J.	40	JV	Eager, John G., Middletown, N. Y.	10
GL	"Almira" Yacht, Wm. J. De Marchi, Revere, Mass.		JW	Hamilton, Joseph E., Port Chester, N. Y.	30
GM	Anston, Geo., Mason City, Ia.	10	JX	Johannsen, John, New Orleans, La.	15
GN	Hanselman, W. H., Philadelphia, Pa.	20	JY	Lambert, Jas., Olona, Ohio.	
GO	Holcombe, Asa D., Cedar Rapids, Ia.		JZ	Roesken, Edward, Belleville, N. J.	20
GP	Grissold, Geo., jr., Tuxedo Park, N. Y.		KA	Kienzie, Henry A., New York City	20
GQ	Gurnee, Floyd, Howell, Mich.		KB	Kurtz, Russell C., City of Wildwood, N. J.	20
GR	Grinn, Ross D. A., jr., Oberlin, Ohio.	40	KC	Kehoe, Thos., Sherman, Cal.	
GS	Goljenboon, Geo., Pecatonica, Ill.	30	KD	Kimmel, Edmund D., East Orange, N. J.	40
GT	Genung, A., Chicago, Ill.		KE	Kennedy, Chester A., So. Portland, Me.	250
GU	Harvey, H. B., West Philadelphia, Pa.	1,000	KF	Karstens, Harry H., Wheaton, Ill.	550
GV	Hooper, Hamilton A., Baltimore, Md.		KG	Kleindienst, A., Webster, Mass.	
GW	Gooden, W. E., Brandon, Man., Canada.	10	KH	Khume, C., Guyandotte, W. Va.	
GX	Herr, Harry J., Richland, Ore.		KI	Khume, C., Guyandotte, W. Va.	40
GY	Hayes, J. J., jr., Brownwood, Tex.	550	KJ	Knight, Lewis S., Oak Lawn, B. I.	
HA	Rigg, Harold H., Rapid City, S. D.		KK	Kuriger, Chas., jr., Haysville, Pa.	
HB	Bean, Harold W., Penacook, N. H.	1,000	KL	Kahl, Louis L., jr., Wallingford, Conn.	20
HC	Greene, Herbert C., Whitesboro, N. Y.		KM	Morgan, Kenneth, Pomona, Cal.	
HD	Breyer, H., Fort Lee, N. J.	20	KN	Mills, B. H., Fort Levett, Me.	
HE	Elcock, Elmer, Philadelphia, Pa.		KO	Ankerman, Roy., Wapakoneta, Ohio.	50
HF	Dunkle, H. F., Lexington, Ill.		KP	Hitchcock, K. C., Plantsville, Conn.	
HG	Ennst, Robert G., New York City.	1,000	KQ	Kerr, Morris B., Winchester, Mass.	
HH	Holcombe, H. W., Cape Vincent, N. Y.	550	KR	Kreinbring, Walter, Detroit, Mich.	20
HI	Graves, Henry B., jr., Geneva, N. Y.	20	KS	Keller, C., Wakefield, N. Y.	550
HJ	Euler, Henry J., New York City		KW	Fulker, F. A., Salina, Kansas.	
HK	Crim, Edward, San Francisco, Cal.	20	LA	Lee, E. G., Sadleville, Ky.	20
HL	Carlson, H. W., Chicago, Ill.	20	LB	Lease, Lester, Wesley, Iowa.	20
HM	Hazelton, Page, Nashua, N. H.	50	LC	Legg, H. B., Kingston, N. Y.	
HN	Hoffman, H. M., Los Angeles, Cal.	350	LD	Elugott, John, Jersey City Heights, N. J.	20
HO	Hardwick, Ambrose H., Orange, N. J.	550	LE	Locke, Charles E., Los Angeles, Cal.	
HP	Holtz, Carl, Brooklyn, N. Y.		LF	Lewis, H. L., New York City.	
HQ	Des Roberts, Bldeford, Me.		LG	Lucas, Geo. W., jr., Peckin, Ill.	
HR	von Eichwald, Herman R., New York City.		LH	Leighton, H. W., Rochester, N. H.	30
HS	Eisner, Henry, jr., New York City.		LI	Lasser, Rudolph M., Chicago, Ill.	
HT	Bryant, M. V., Nyack, N. Y.	30	LJ	Hoyt, Lowell, Presque Isle, Me.	
HU	Hoyt, Homer, Cleveland, Ohio.	50	LK	Lynde, Kenneth, Newtonville, Mass.	40
HV	Hamilton, Edward P., Milton, Mass.		LL	Cornish, W. D., Pacific Grove, Cal.	75
HW	Hibbes, Harry, McMinnville, Ore.	1,000			

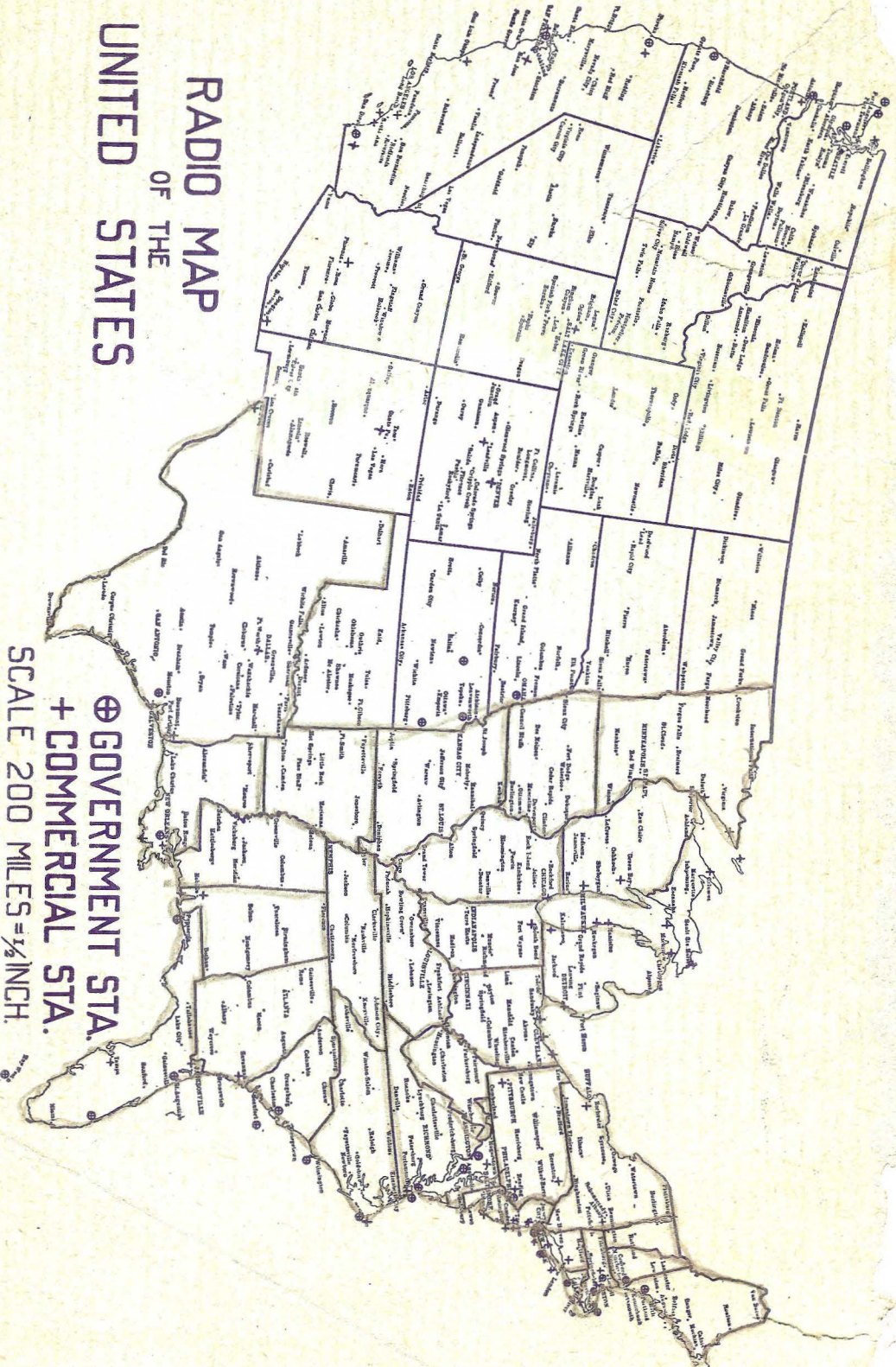
Call	Owner of Station	Watts	Call	Owner of Station	Watts
LM	Maybee, Loven C., So. Cle Elum, Wash.	10	PN	Brown, Rolla, Osceola, Mo.	250
LN	Haake, Arthur, Norwood, N. J.		PO	Paul, Lewis F., New Sharon, Maine.	
LO	Lechner, H. A., Holbrook, Ore.		PP	Powell, Geo. Roy, Peterboro, Ont.	
LQ	Barber, H. W., New Westminster, B. C.		PQ	Pumley, Henry G., Byron, Cal.	30
LR	Hanks, L. N., Warren, Vt.		PR	Pettengill, G. W., Salesbury, Mass.	
MA	Pyle, Howard S., Seattle, Wash.		PS	Polson, Alex., Winnipeg, Canada.	
MB	Kerr, Morris, Winchester, Mass.		PT	Peck, A. T., Derby, Conn.	
MC	Murray, Albert F., Maryville, Tenn.	40	PV	Mellon, J. H., Lebanon, Pa.	550
MD	Dodd, M. H., San Bernardino, Cal.	1,050	PW	Nicholi, P. R., Boston, Mass.	550
ME	Brathorn, Malcolm, Cranford, N. J.		PX	Parsons, R. W., So. Framingham, Mass.	
MF	Burgess, C. M., Geneva, Ill.	30	PY	Pfeegor, Carroll, Milton, Pa.	1,000
MG	Meder, George, New York City.		QB	Sufrane, Jerry, S. Norwalk, Conn.	20
MH	Morgan, Hiram, Beloit, Wis.	1,000	QC	Smith, John, Brooklyn, N. Y.	
MJ	Mathwig, Clarence J., Milwaukee, Wis.	50	QD	Swain, Herbert N., Hamilton, Ohio.	550
MK	Cook, Marie M., Yonkers, N. Y.		QE	Slater, James, New York City.	
ML	Gable, Martin, Sedro-Woolley, Wash.	250	QF	Stoddard, Herbert C., Jamaica, N. Y.	
MM	Gardner, F., Derby, Conn.	40	QG	Snook, J. Lloyd, Troy, Ohio.	50
MN	Kilborn, M. G., W. Orange, N. J.	15	QH	Shugren, H. E., Salt Lake City, Utah.	
MO	Maury, Orville, Kalamazoo, Mich.	550	QI	Shaw, S. L., Jr., Oyster Bay, L. I.	20
MP	McDevitt, Gerard, Lakewood, N. J.		QJ	Schnell, F. H., Chicago, Ill.	1,000
MQ	Matthews, A. R., South Amboy, N. J.		QK	Skene, A. A., Philadelphia, Pa.	40
MR	Meyers, R. W., Tiffin, Ohio.	250	QL	Shields, M., West Philadelphia, Pa.	
MS	Middletown Wireless Station, Middletown, Conn.		QM	Strode, Geo. P., Los Angeles, Cal.	20
MT	Miller, Max, Florence, Colo.		QN	Smith, Wilson, Pecatonica, Ill.	550
MU	Monkolo, Manuel A., Fort Collins, Colo.		QO	Shuman, Joyce A., Bowling Green, O.	
MV	Hyatt, Mount Vernon, Ohio.	2,000	QP	Sharkoff, Perry W., Muskegon, Mich.	550
MW	Moller, Wm., Jr., Oakland, Cal.	250	QR	Lynam, John C., Duluth, Minn.	1,000
MX	Ashton, L. W., Collingswood, N. J.	20	QS	Shrive, Glen, Jr., Yonkers, N. Y.	
MY	Merk Wireless Station & Electrical Laboratory, Williamsport, Pa.		QT	Thormahlen, L., New York City.	
MZ	Myers, Delbert, Amboy, Ind.	20	QU	Carhart, T. H., Jr., Hazlet, N. J.	
NA	Harbolt, Norman, W. Philadelphia, Pa.		QV	Conklin, W. H., Roselle, N. J.	
NB	Mortrude, O. C., Sioux City, Ia.		QW	Hechler, Ernest A., Palisades Park, N. J.	
NC	Nobis, Charles H., Indianapolis, Ind.		QX	Fish, Claud, Springboro, Pa.	
ND	Edwards, Kenneth, Nampa, Ida.		QY	Montagna, Tiberia, Meriden, Conn.	
NE	French, Donald K., Fruitvale, Cal.	250	RA	Miller, Roy A., Ritchey, Cal.	40
NF	Nordmann, Clarence F., Mamaroneck, N. Y.		RB	Hussa, Robert, Brooklyn, N. Y.	60
NG	Henry, C. M., Hamilton, Ohio.	750	RC	Raab, Victor, Oakward, Geistown, Pa.	250
NH	Kibbie, Wm. H., Bronx, N. Y.	20	RD	Bathburn, H. J., Baltimore, Md.	
NI	Hurd, Norman C., Dover, N. H.	550	RE	Bonterre, F., New York City.	20
NJ	Nyquist, Geo. M., Superior, Wis.		RF	Fawcett, R. T., Fort Wayne, Ind.	250
NK	Nobriga, Miss., Honolulu, T. H.		RG	Diederich, Paul E., Detroit, Mich.	250
NL	Niemeyer, Frederic E., Chicago, Ill.	20	RH	Mount, R. H., Vinton, La.	550
NM	Des Jardins, Gregory, Cincinnati, Ohio.	20	RI	Bogardus, King J., Torrington, Conn.	20
NN	Norris, Geo. B., Oshawa, Ont., Can.		RJ	Berwick, C. C., Berkeley, Cal.	250
NO	Newhauser, R. B., Normal, Ill.		RK	Jerman, Herbert, Stamford, Conn.	30
NP	Bennett, F., Chicago, Ill.		RL	Rieber Laboratories, Berkeley, Cal.	100
NQ	Clark, A. B., Albion, Ia.	100	RM	Maxwell, Ralph, Morgantown, W. Va.	20
NR	Nadler, Solomon, Gadsden, Ala.	550	RN	Norcross, Earl L., Glenside, Pa.	
NS	Neffendorf, Walter, Philadelphia, Pa.	40	RO	Hunt, Rollin E., So. Park, Minn.	250
OA	Ball, Geo. M., Locust Pt., N. J.	20	RP	Brain, Chas. K., Springfield, O.	250
OB	Otto, Fred B., Virginia, Minn.	550	RQ	Ferriehs, Byron, Cal.	100
OC	Owens, P. B., Lansing, Kan.		RR	Freeman, Roger, Plainville, Conn.	
OD	O'Kuly, Pleasant Budd, Ohio.		RS	Mitchell, John, Buena Park, Cal.	
OE	Ollard, H. G., Bronx, N. Y.		RT	Ransom, Paul, Pittsburg, Kans.	250
OF	Ostman, Frederick, Ridgewood, N. J.		RU	Maguire, Raymond H., Indianapolis, Ind.	
OG	O'Brien, F. Gordon, Windsor, Nova Scotia, Canada.	20	RV	Reeves, F. B., Cave Spring, Ga.	20
OH	Osborn, Chas. W., San Francisco, Cal.		RW	Detmer, William, East Port Chester, Conn.	20
OI	Olson, Victor, Naugatuck, Conn.	500	RX	Loper, Roscoe R., Port Jefferson, N. Y.	1,000
OJ	Ochtman, A. F., Cos Cob, Conn.		RY	Rundell, Chas. D., Plainfield, Conn.	
OK	Koeler, Harold, Chicago, Ill.		RZ	Rias, Geo. E., Newark, N. J.	12
OL	Loehr, Herbert R., Normal, Ill.	550	SA	Champlin, A. R., Westerly, R. I.	20
OM	Robbins, Rufus M., Titusville, Fla.	550	SB	Hoyt, James King, Jr., Sound Beach, Conn.	550
OO	Robinson, Cecil S., Lake Mohegan, N. Y.	20	SC	Cory, Samuel, Springfield, O.	
OP	Rimlinger, E., San Francisco, Cal.		SD	Friedrich, S., San Antonio, Tex.	1,050
OQ	Reeves, Alvin, Fort Wayne, Ind.		SE	Puff, S. F., Wildwood, N. J.	550
OR	Ridgley, R. R., Rocky Ford, Colo.		SF	Fizzell, Sam., Dunbury, Mass.	
OS	Ribble, Guy H., Bangon, Pa.		SG	Schachner, M. H., Chicago, Ill.	50
OT	Ranlett, Frederick J., Jr., Auburndale, Mass.	25	SH	Shaw, Wm. A., San Diego, Cal.	250
OU	Richards, Geo. B., Philadelphia, Pa.	20	SI	Groff, Vernon R., Lancaster, Pa.	
OV	Rasche, S., St. Louis, Mo.		SJ	Smith, H. M., Monticello, N. Y.	
OW	Rauch, Geo. A., Little Rock, Ark.	1,000	SK	Aiken, J. R., E. Cleveland, O.	250
OY	Rogers, Philip H., New Britain, Conn.	20	SL	Lewis, H. Spencer, New York City.	1,000
OZ	Robbins, Hartwell B., Franklin, Pa.		SM	MacPeeters, John, Philadelphia, Pa.	40
PA	Rowland, J. C., Hannibal, Mo.		SN	Dolph, S. E., Scranton, Pa.	
PB	Hansen, William R., Pacific, Wash.	20	SO	Hardy, Wilbur, Beverly Farms, Mass.	250
PC	Case, C. H., New Britain, Conn.	20	SP	Pierson, S. W., Carrollton, Ill.	550
PD	Pickett, Chester H., Waukesha, Wis.	250	SQ	Munid, Manuel E., West Philadelphia, Pa.	40
PE	Donohue, Phillip, Bronx, N. Y.	20	SR	Otto, William J., Chicago, Ill.	
PF	Phillip, Lawrence A., Concord, Mich.	250	SS	Smith, Wilson, Pecatonica, Ill.	
PG	Palmaland, Philip, Brooklyn, N. Y.	30	ST	Statz, Henry M., Washington, D. C.	
PH	Martinez, Porfirio, Havana, Cuba, Rep. of Cuba.	20	SU	Sturley, George, Vancouver Barracks, Wash.	
PI	Price, Stephen A., Richmond, Staten Island.	20	SV	Sowers, E. S., S. Richmond, Va.	
PJ	Plekenpol, Ernest, Cleveland, Ohio.	100	SW	Spencer, Guy E., Portland, Ore.	
PK	Mulgrew, Patrick J., Kearny, N. J.	20	SX	Sutorins, Alexis, Brooklyn, N. Y.	550
PL	Peterson, Chas. E., St. Paul, Minn.		SY	Smith, Peter F., Bronx, N. Y.	60
PM	Powell, Edwin L., Washington, D. C.	25	SZ	Smith, Lewis J., Norwich, Conn.	20
	Pickering, A., Worcester, Mass.	50	TA	Tobin, J. Benedict, Winnipeg, Canada.	750
			TB	Tosi, Henry J., Boston, Mass.	
			TC	Turner, Harold L., Grand Junction, Iowa.	550
			TD	Tamburo, Orazio, Brooklyn, N. Y.	60
			TE	Thocott, Harold, Cheyenne, Wyo.	

Call	Owner of Station	Watts	Call	Owner of Station	Watts
TF	Timmermann, Gus., San Francisco, Cal.		XE	Barnes, Geo. H., Meigs Corners, Quebec, Canada.	40
TG	Thompson, W. C., East Hartford, Conn.		XF	Schwartz, Sylvain, San Francisco, Cal.	
TH	Thorne, Earl D., Brookhaven, L. I.		XG	Smith, G. R., Wallingford, Conn.	
TI	Tomisek, J. J., Chicago, Ill.	20	XG	Shepard, Charles A., Buffalo, N. Y.	20
TJ	Templeman, Robert, Williamsport, Pa.	550	XH	Simons, Erwin E., Huguenot Park, Staten Island, N. Y.	20
TK	Troetschel, H. Carl, Brooklyn, N. Y.	40	XI	Sanborn, Herman H., Montclair, N. J.	
TL	Twitchell, Lawson B., jr., E. Braintree, Mass.		XJ	Saunders, George, Bronx, N. Y.	60
TM	Theodore, Nelson M., Centerville, Mass.		KK	Stephenson, J. Albert, South Bend, Ind.	1,000
TN	Theobald, Gustav, West New York, N. J.	550	XL	Smith, Granville B., Scarborough, N. Y.	20
TO	Thompkins, J. C. S., New York City.	20	XM	Scheffer, Ralph, Bristol, Pa.	40
TP	Tucker, Henry B., Bridgeport, Conn.		XN	Schardt, Carl, Cleveland, Ohio.	20
TQ	Thoroman, Clem, Greenfield, Ohio.		XO	Schnabel, Albert, Cleveland, Ohio.	30
TR	Teeter, Walter L., Moravia, N. Y.	550	XP	Smith, Charles Z., South Bethlehem, N. Y.	
TS	Tolbert, Warren, Tacony, Philadelphia, Pa.		XQ	Schulenberg, Paul, Tolono, Ill.	
TT	Thomas, Alonzo, Jersey City, N. J.	20	XR	Sleepe, Harold R., Groton, Conn.	20
TU	Sturges, Tracy A., Elgin, Ill.	20	XS	Savini, Saveri, Ft. Hamilton, N. Y.	40
TV	Thieman, Otto, Van Nest, N. Y.	40	XT	Springer, Elisha, Moravia, N. Y.	40
TW	Sullard, Arthur R., Kansas City, Mo.	20	XU	Soper, C., Brush Creek, Buttle Co., Cal.	40
TX	Satter, J. M., jr., Mertley, N. J.	550	XV	Sprowl, John, Lozansport, Ind.	550
TY	Stary, Lyles, Kissimmee, Fla.		XW	Starrett, John, Plymouth, Wis.	
TZ	Lang, Wm. E., Detroit, Mich.	550	XW	Savin, Saveri, Brooklyn, N. Y.	12
UA	Unger, Harry J., San Francisco, Cal.	30	XV	Shippam, Cecil H., San Diego, Cal.	
UB	Uher, Frank, jr., Chicago, Ill.		XZ	Schulte, G., St. Louis, Mo.	
UC	Bergstrom, A., Concord, N. H.	20	YA	Woodruff, Kent, Berea, Ohio.	40
UD	Petier, A., Dennison, Ohio.	20	YB	Williams, Lincoln, Dillon, Mont.	550
UE	Tuthill, R. E., New Suffolk, L. I., N. Y.		YD	Wilder, Willard S., Ashland, Wis.	100
UF	Uehlein, Frank, Passaic, N. J.		YE	Watson, W. L., Brownwood, Texas.	20
UH	Ege, Waldo O., Reading, Pa.	250	YF	Wechsler, I., New York City.	30
UI	Drew, Frank E., Plympton, Mass.	6	YF	Weber, Ernest A., Brooklyn, N. Y.	40
UW	Gisseler, John, Chicago, Ill.		YH	Whitman, E. J., La Grange, Ill.	
VA	Galla, Otto, Chicago, Ill.		YI	Wille, Edward A. C., Milwaukee, Wis.	550
VB	Van Pelt, Wm., Westchester, Bronx, N. Y.	20	YJ	Williams, Wm. F., New York City.	
VC	Van Syckle, L. Howard, Fort Lee, N. J.	80	YK	White, Edward, Lawrence, Mass.	12
VD	Duffy, Vincent R., Arlington, N. J.	50	YL	Winkler, Frank E., Beaumont, Tex.	
VE	Vennard, L. B., Wessington Springs, S. D.	1,000	YM	Central Y. M. C. A. Radio Club, Cleveland, O.	
VF	Yerbury, Roy and George, Passaic, N. J.	60	YN	Worrest, Howard, Lancaster, Pa.	
VG	Young, James F., Haddonfield, N. J.	300	YO	Wolf, Frank, Bronx, N. Y.	1,000
VH	Yates, Ray F., Niagara Falls, N. Y.		YP	Koor, William, Dolton, Ill.	
VI	Zerkel, Herbert, Troy, Ohio.	500	YQ	Weik, Chas. F., Philadelphia, Pa.	
VJ	Wysman, Henry, Elmswood Pl., Cincinnati, Ohio.		YR	Wheeler, Hugh H., Shenandoah, Iowa.	
VK	Rich, H. A., Hyde Park, Mass.		YS	Wells, Robt. E., Perryman, Md.	1,000
VL	Rapp, Orrille, Weynesfield, Ohio.		YT	Good, Horace D., Reading, Pa.	550
VR	Reguart, Victor, Santa Clara, Cal.		YU	Whitescarner, Robert, Webb City, Mo.	20
VX	Meek, Michael, West Philadelphia, Pa.	40	YV	Waters, James S., jr., Galveston, Texas.	250
WA	Phillips, W. A., Rochester, N. Y.	30	YW	Wade, John M., Yonkers, N. Y.	20
WB	Robbins & Robinson, Rochester, Mass.		YX	Weber, Harry S., Canal Dover, Ohio.	550
WC	Welch, P. V., Johnstown, Pa.	250	YY	Haynes, Wm., Springfield, Ohio.	
WD	Beck, Wallace, Galton, Ohio.		ZA	Widmyer, John H., Mt. Pocono, Pa.	20
WE	Booth, W., Middleton, N. Y.	10	ZB	Berodiske, John, Joliet, Ill.	
WF	Bert, W. K., Seattle, Wash.		ZC	Ward, Raymond, Greeley, Colo.	
WG	Finch, Wm. G. H., Cincinnati, Ohio.	550	ZD	Watkins, W. O., Birmingham, Ala.	550
WH	Groves, Fred G., Germantown, Pa.	30	ZE	Wood, Manson, Wakefield, Mass.	100
WI	Miller, Walter L., New York City.		ZF	Webber, Franklin C., Los Angeles, Cal.	20
WJ	Macke, William, New Orleans, La.	30	ZG	DeWees, C. C., Chicago, Ill.	
WL	Miller, W. R., Pittsburgh, Pa.		ZH	Werden, Edward T., Mt. Vernon, N. Y.	
WM	Mueller, Walter, Philade. Pa.		ZI	Wendell, Beacon, Boston, Mass.	250
WN	De Yoe, W. L., Paterson, N. J.	250	ZJ	Wolfe, Raymond H., Greeley, Colo.	
WO	Wunderlich, Otto, West Hoboken, N. J.		ZK	Wiggins, Oscar, Glenwood Landing, N. Y.	
WQ	White, Harold R., Brooklyn, N. Y.		ZL	Loehr, H. R., Bloomington, Ill.	1,000
WR	Williamson, J. B., Toronto, Canada.		ZM	Wiegert, Chas., Leigh, Neb.	12
WS	White, Dallas E., Billerica, Mass.	1,000	ZN	Wallis, H. Jones, Troy, N. Y.	
WT	Wells, R. Stuart, Utica, N. Y.	20	ZO	White, Harold, Brooklyn, N. Y.	20
WU	White, Jas. M., Norfolk, Va.		ZP	Watt, W. M., Youngstown, Ohio.	550
WV	Williamson, Harry, Redlands, Cal.	20	ZQ	Wember, Anthony A., North Chicago, Ill.	
WW	Wahn, Harry, Chicago, Ill.	40	ZR	Whitney, Chas. D., Needham Heights, Mass.	550
WX	Wilson, Guy E., Kansas City, Mo.		ZS	Wilson, Harvey, Dowagiac, Mich.	
WZ	Willmann, Chas., Cincinnati, Ohio.	20	ZT	Wills, R. Stuart, Utica, N. Y.	
XA	Kelling, Frank X., jr., Newark, N. J.		ZU	Whitefman Station, Newark, N. J.	20
XB	Clark, B. H., De Kalb, Ill.	1,050	ZW	Zwaska, Frank, Chicago, Ill.	20
XC	Fuller, Clarence C., Mansfield, Mass.	30	ZX	Zickus, Louis C., Milwaukee, Wis.	
XD	Crowther, F., Yonkers, N. Y.		ZY	Zapf, John J., Brooklyn, N. Y.	550
			ZZ	Kumm, Louis A., West Haven, Conn.	200
			86V	Metz, Louis, Cleveland, O.	30

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